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## Remediation and Closure Report

Oil 6" Steel MB Charolais 28 21  
Lea County  
Incident ID: **nAPP2126542912**

### Prepared For:

3 Bear Delaware Operating-NM, LLC  
1512 Larimer St. Suite 540  
Denver, CO 80202

### Prepared By:

TALON/LPE  
408 W. Texas Avenue  
Artesia, NM 88210

**November 16, 2021**



Mr. Chad Hensley  
**NMOCD District 1**  
811 S. 1<sup>st</sup> Street  
Artesia, NM 88210

Subject: **Remediation and Closure Report**  
Oil 6" Steel MB Charolais 28 21  
Lea County  
Incident ID: **nAPP2126542912**

Mr. Hensley,

3 Bear Delaware Operating-NM, LLC (3Bear) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our soil assessment and remediation activities are contained herein.

#### Site Information

The Oil 6" Steel MB Charolais 28 21 is located approximately Twenty (20) miles west of Hobbs, New Mexico. The legal location for this release is Section 28, Township 19 South and Range 35 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.625833 North and -103.470556 West. A site plan is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Kermit soils and Dune land, with a 0-12 percent slope. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology in the Ogallala formation in the lower Pliocene to middle Miocene in age and is comprised of eolian deposits derived from sedimentary rock. Drainage courses in this area are well drained [Appendix II](#).

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 22-feet below ground surface (BGS), as referenced in POD (Point of Diversion) record L 14876 POD4. The reference POD indicated that depth to water is 22' (below ground surface) bgs.

### Site Characterization

Pursuant to Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 of the New Mexico Administrative Code (NMAC), if a release occurs within the following areas, the responsible party must treat the release as if it occurred less than 50 feet to the groundwater.

Approximate Depth to Groundwater	22 Feet/BGS
----------------------------------	-------------

- |   |  |
|---|--|
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 300 feet of any continuously flowing watercourse or any other significant watercourse   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 200 feet of any lakebed, sinkhole or playa lake   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 300 feet from an occupied permanent residence, school, hospital, institution or church  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes                                  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 1000 feet of any fresh water well or spring   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within incorporated municipal boundaries or within a defined Municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978 |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 300 feet of a wetland   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within the area overlying a subsurface mine  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within an unstable area  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within a 100-year floodplain   |

This release did not occur within any of these areas. However, the impacted area is situated in pasture area, and the analytical data indicates Total Petroleum Hydrocarbons (TPH) in excess of 100 mg/kg. As such, the upper 4-feet of this area will be restored to levels set forth in Table 1, 19.15.29 NMAC closure criteria. Therefore, the reclamation closure criteria for this site will be as follows:

Table I Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50'	Chloride	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

## Incident Description

According to the C-141: on or about September 09, 2021, the 6" pipeline had developed a leak. The leak resulted in a release of approximately 36 (barrels) bbl. 3 Bear Energy personnel took proactive measures by dispatching a vac truck that was utilized to recover approximately 4 bbl. of the freestanding fluid ([Appendix III](#)).

## Site Assessment

On September 11, 2021 Talon mobilized personnel to begin the site assessment and soil sampling activities of the sidewalls. Dirt work completed by others in an effort to remove saturated soils, revealed that the impacted area had been excavated to depths of approximately 4' to 6' bgs. Composite soil samples were collected within and around the impacted area utilizing a hand auger to the extent that refusal was encountered. All soil samples were properly collected, packaged, preserved, and transported to Hall Laboratories for analysis of Total Chloride analyte (Method EPA 300.0), BTEX (Benzene, Toluene, Ethylbenzene, and Xylenes Method 8021), and TPH (Total Petroleum Hydrocarbons Method 8015 M/D). A complete laboratory report can be found in [Appendix VI](#).

**Table I**  
**09/22/2021 Lab Report**

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
<b>NMOCD Table 1 Closure Criteria 19.15.29 NMAC</b>			<b>50 mg/kg</b>	<b>10 mg/kg</b>	<b>DRO + GRO + MRO combined = 100 mg/kg</b>			<b>100 mg/kg</b>	<b>600 mg/kg</b>
S. SW-1	9/17/2021	7'	ND	ND	ND	ND	ND	0	ND
S. SW-2	9/17/2021	7'	ND	ND	ND	ND	ND	0	ND
S. SW-3	9/17/2021	7'	ND	ND	ND	ND	ND	0	ND
S. SW-4	9/17/2021	7'	ND	ND	ND	46	ND	46	ND
S. SW-5	9/17/2021	4'	ND	ND	ND	160	98	258	ND
	10/4/2021	6'	ND	ND	ND	ND	ND	0	840
S. SW-5A	10/13/2021	7'	ND	ND	ND	ND	ND	ND	80
S. SW-6	9/17/2021	4'	ND	ND	ND	18	ND	18	ND
N. SW-1	9/17/2021	7'	ND	ND	5.3	270	140	415.3	ND
	10/4/2021	7'	ND	ND	ND	ND	ND	0	ND
N.SWA-LR	10/01/2021	5'	ND	ND	ND	ND	ND	ND	160
N. SW-2	9/17/2021	7'	ND	ND	ND	ND	ND	0	ND
N. SW-3	9/17/2021	7'	ND	ND	ND	ND	ND	0	ND
N. SW-4	9/17/2021	7'	ND	ND	ND	ND	ND	0	ND
N. SW-5	9/17/2021	4'	ND	ND	ND	14	ND	14	ND
N. SW-6	9/17/2021	4'	ND	ND	ND	17	ND	17	ND
W. SW	9/17/2021	7'	ND	ND	ND	36	ND	36	ND
E. SW	9/17/2021	4'	ND	ND	ND	23	ND	23	ND

ND= Analyte Not Detected

BH=Bore Hole

SW=Sidewall

R=Refusal

The full laboratory report can be viewed in [Appendix VI](#).



On September 22, 2021, Talon personnel and equipment mobilized to the site in order to vertically delineate the impacted area at and near the source. Two bore holes were advanced utilizing a Geo push rig. At B-2 refusal was encountered at 26 feet bgs. The soil samples were transported to Eurofins Laboratories and analyzed for Total Chlorides, TPH, and BTEX. The results are tabled below for ease of reference.

**Table II**  
**9/30/2021**

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
<b>NMOCD Table 1 Closure Criteria 19.15.29 NMAC</b>			<b>50 mg/kg</b>	<b>10 mg/kg</b>	<b>DRO + GRO + MRO combined = 100 mg/kg</b>			<b>100 mg/kg</b>	<b>600 mg/kg</b>
<b>B-1</b>	9/22/2021	8'	15.1	0.07	206	1630	ND	1836	373
	9/22/2021	10'	3.29	ND	49.4	831	ND	880.4	324
	9/22/2021	12-13'	ND	ND	43.3	382	ND	425.3	128
	9/22/2021	14-15'	0.08	ND	30.2	172	ND	202.2	198
	9/22/2021	16-17'	0.01	ND	ND	19.6	ND	19.6	109
	9/22/2021	18'	0.02	ND	ND	ND	ND	0	123
	9/22/2021	21-22'	0.01	ND	ND	ND	ND	0	26.7
	9/22/2021	25-26'	ND	ND	15.7	ND	ND	15.7	49.4
<b>B-2</b>	9/22/2021	8'	6.96	0.1	86.3	278	ND	364.3	66.9
	9/22/2021	10'	0.4	ND	38.5	241	ND	279.5	446
	9/22/2021	12-13'	0.02	ND	ND	24.4	ND	24.4	558
	9/22/2021	14-15'	10.9	ND	237	918	ND	1155	157
	9/22/2021	16-17'	10.8	ND	146	752	ND	898	58
	9/22/2021	18'	ND	ND	303	1070	ND	1373	240
	9/22/2021	21-22'	ND	ND	92	406	ND	498	37.7
	9/22/2021	23-24'	ND	ND	20.5	78.9	ND	99.4	49.4
	9/22/2021	26'	ND	ND	469	1210	155	1834	118
ND = Analyte Not Detected									

The full laboratory report can be viewed in [Appendix VI](#).

## Remedial Actions

Due to the results from the aforementioned boring event for vertical delineation; the impacted area has been excavated by 3 Bear Energy from depths of 4' bgs. to 26.5' bgs., or to the extent practicable due to infrastructure. The bottom as well as the sidewalls were advanced and excavated to the extent that, all impacted soils above closure criteria and or the NMOCD recommendations were removed. The south sidewall was extended to encompass a portion of the county road. County permission was obtained, and all safety precautions including traffic control were observed. All excavated material has been transported and disposed of at Lazy Ace Landfill, an NMOCD approved facility. Excavation and sample area maps are attached in [Appendix I](#).

Confirmation soil samples were collected approximately every 200 square feet on the sidewalls and of the excavation bottom on a composite basis, and analyzed for Total Chlorides, BTEX, and TPH confirming the levels left in place. The site excavation maps complete with sample positions are attached in [Appendix I](#). All soil samples were properly retrieved, preserved, and transported to Hall Laboratories. The complete laboratory reports are attached in [Appendix VI](#)

## Closure

Pursuant to NMOCD guidelines the excavation was advanced vertically and horizontally to the extent that the sidewalls and excavation floor tested for chlorides <600 mg/kg, and TPH <100 mg/kg. The excavation in the pasture area was backfilled with fresh, clean caliche to within 4 feet of surface, and capped with native topsoil, then seeded with BLM (Bureau of Land Management) LPC seed mixture ([Appendix V](#)) in order to facilitate vegetation. The impacted area in the county lease road was backfilled with clean caliche, compacted and restored to grade, as documented with photo's ([Appendix IV](#)).

Talon LPE, on behalf of 3 Bear Energy respectfully submits this closure report, requesting that no further action be required and the regulatory file be closed.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-746-8768.

Respectfully submitted,

TALON/LPE

Rebecca Pons  
Senior Environmental Project Manager

### Attachments:

Appendix I Site Maps  
Appendix II Soil Survey, Groundwater Data, and Boring Log  
Appendix III C-141 Forms  
Appendix IV Photo Documentation  
Appendix V Seed Tags  
Appendix VI Laboratory Data



# **APPENDIX I**

**SITE MAP**

**KARST MAP**

**TOPO MAP**

**LOCATION MAP**



# Charolais 6" pipeline

3 Bear Energy LLC  
Lea County, NM  
Excavation Map

**Legend**

- Excavation
- Sample Point





# Charolais 6" pipeline

3 Bear Energy LLC  
Lea County, NM  
Confirmation Map

**Legend**

- Excavation
- Sample Point










# 3 Bear Energy Charolais 6" Pipeline

Section 28 T19S R35E  
Lea County

Karst Map

## Legend

-  Charolais 6" Pipeline
-  High
-  Low
-  Medium

 Charolais 6" Pipeline

Survey



200 ft



3 Bear Energy 6" Steel Charolais

Lea County, NM

TOPO Map

Legend

Charolais 6"






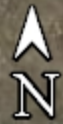
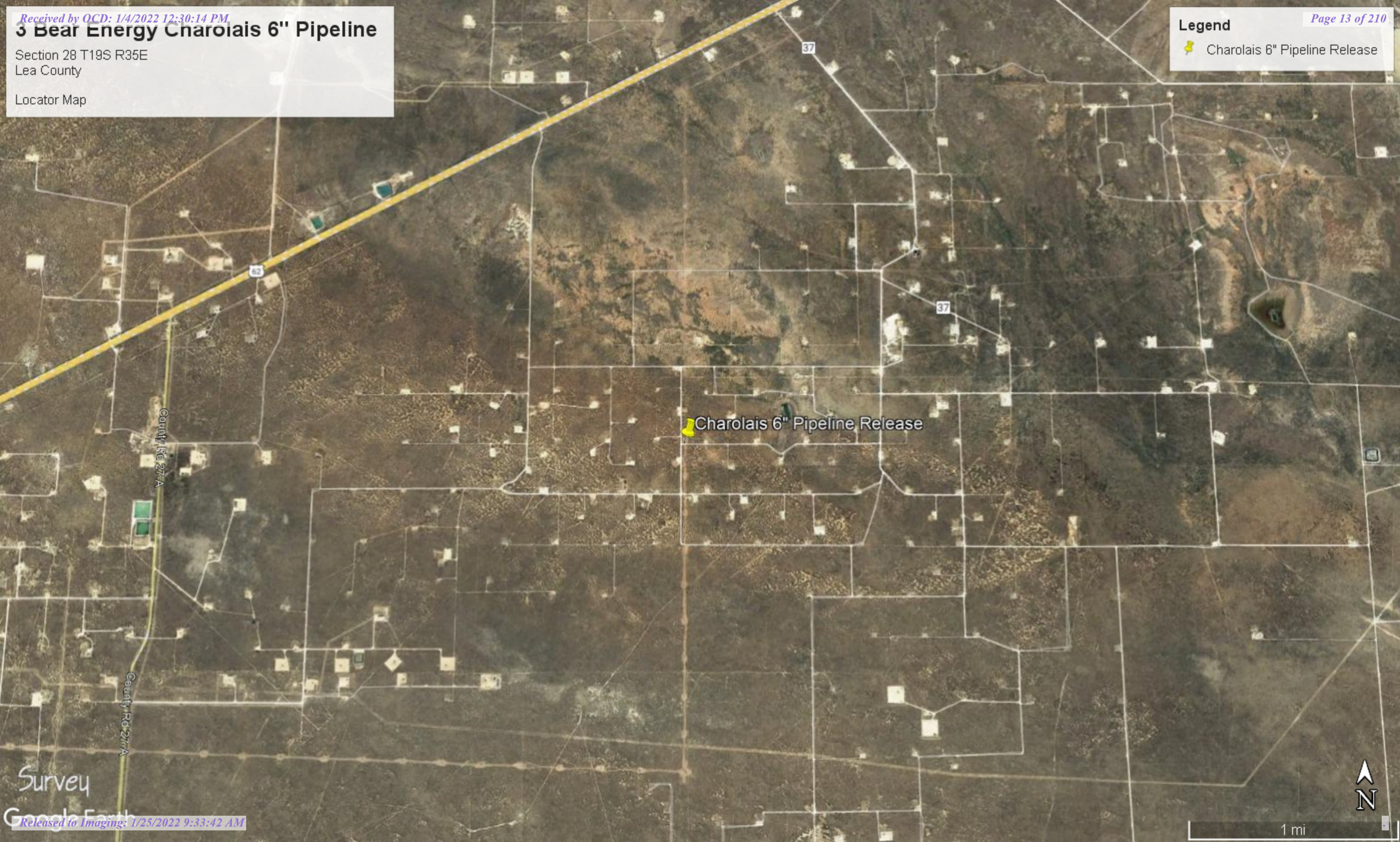
# 3 Bear Energy Charolais 6" Pipeline

Section 28 T19S R35E  
Lea County

Locator Map

Legend

 Charolais 6" Pipeline Release



1 mi





## **APPENDIX II**

# **GROUNDWATER DATA**

# **SOIL SURVEY**



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,  
O=orphaned,

C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">L 14876 POD14</a>	L	LE		2	1	2	32	19S	35E	643023	3610529	553			
<a href="#">L 14876 POD3</a>	L	LE		2	1	2	32	19S	35E	643014	3610535	558	40		40
<a href="#">L 14876 POD7</a>	L	LE		2	1	2	32	19S	35E	643026	3610515	559			19
<a href="#">L 14876 POD4</a>	L	LE		2	1	2	32	19S	35E	643016	3610516	567	25		22 3
<a href="#">L 14876 POD9</a>	L	LE		2	1	2	32	19S	35E	643000	3610508	584			
<a href="#">L 14876 POD11</a>	L	LE		2	1	2	32	19S	35E	642990	3610522	585			
<a href="#">L 14876 POD5</a>	L	LE		2	1	2	32	19S	35E	642992	3610517	586			
<a href="#">L 14876 POD10</a>	L	LE		2	1	2	32	19S	35E	642998	3610500	591			
<a href="#">L 14876 POD1</a>	L	LE		2	1	2	32	19S	35E	643011	3610472	597	25		0 25
<a href="#">L 14876 POD8</a>	L	LE		2	1	2	32	19S	35E	642983	3610507	599			
<a href="#">L 14876 POD13</a>	L	LE		2	1	2	32	19S	35E	642987	3610500	600			18
<a href="#">L 14876 POD12</a>	L	LE		2	1	2	32	19S	35E	642974	3610515	602			
<a href="#">L 14876 POD2</a>	L	LE		2	1	2	32	19S	35E	642992	3610483	606	37		28 9
<a href="#">L 12473 POD1</a>	L	LE		2	1	2	27	19S	38E	643913	3612109	1339	105		60 45
<a href="#">L 12746 POD1</a>	L	LE		4	2	4	27	19S	38E	643913	3612109	1339	128		58 70
<a href="#">L 02250</a>	L	LE		1	3	3	22	19S	35E	645137	3612586*	2405	50		20 30
<a href="#">L 03843</a>	L	LE			3	3	22	19S	35E	645238	3612487*	2407	73		27 46
<a href="#">L 04101</a>	L	LE			3	3	22	19S	35E	645238	3612487*	2407	50		35 15
<a href="#">L 14552 POD12</a>	L	LE		2	3	2	04	20S	35E	644535	3608505	2561	1389		
<a href="#">L 03844</a>	L	LE			1	3	22	19S	35E	645232	3612891*	2695	71		27 44
<a href="#">L 04158</a>	L	LE			2	4	05	20S	35E	643290	3608008*	2839	70		64 6
<a href="#">L 04290</a>	L	LE		3	4	1	22	19S	35E	645528	3613198*	3121	45		18 27
<a href="#">L 09569</a>	L	LE			4	3	17	19S	35E	642394	3614063*	3400	80		30 50
<a href="#">L 08941</a>	L	LE		2	3	3	19	19S	35E	640510	3612523	3415	600	286	314
<a href="#">L 08234 S2</a>	L	LE				3	17	19S	35E	642192	3614259*	3653	126		80 46
<a href="#">L 09468</a>	L	LE			3	3	15	19S	35E	645214	3614102*	3692	52		28 24
<a href="#">L 08234</a>	L	LE		2	2	3	17	19S	35E	642487	3614566*	3855	120		90 30
<a href="#">L 04583</a>	L	LE			4	3	15	19S	35E	645617	3614107*	3902	55		18 37
<a href="#">CP 00683 POD1</a>	CP	LE		3	3	4	25	19S	34E	639530	3610685*	3954	120		28 92
<a href="#">L 04157</a>	L	LE			3	3	06	20S	35E	640483	3607561*	4443	70		64 6
<a href="#">L 04116 S</a>	L	LE			1	2	02	20S	35E	647710	3608881*	4660	55		50 5
<a href="#">L 08234 S</a>	L	LE		4	4	1	18	19S	35E	640871	3614751*	4701	106		60 46
<a href="#">L 04763</a>	L	LE		4	1	1	15	19S	35E	645295	3615211*	4731	75		20 55

2\* 



Custom Soil Resource Report  
Soil Map

Map Scale: 1:1,150 if printed on A landscape (11" x 8.5") sheet.

Meters  
0 15 30 60 90  
Feet  
0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

## MAP LEGEND

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

**Area of Interest (AOI)**

- Area of Interest (AOI)
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

**Soils**

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

**Special Point Features**

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot

**Water Features**

- Streams and Canals

**Transportation**

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

**Background**

- Aerial Photography

## Custom Soil Resource Report

## Lea County, New Mexico

## KM—Kermit soils and Dune land, 0 to 12 percent slopes

**Map Unit Setting**

*National map unit symbol:* dmpx  
*Elevation:* 3,000 to 4,400 feet  
*Mean annual precipitation:* 10 to 15 inches  
*Mean annual air temperature:* 60 to 62 degrees F  
*Frost-free period:* 190 to 205 days  
*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Kermit and similar soils:* 46 percent  
*Dune land:* 44 percent  
*Minor components:* 10 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Kermit****Setting**

*Landform:* Dunes  
*Landform position (two-dimensional):* Shoulder, backslope, footslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex, linear, concave  
*Across-slope shape:* Convex  
*Parent material:* Calcareous sandy eolian deposits derived from sedimentary rock

**Typical profile**

*A - 0 to 8 inches:* fine sand  
*C - 8 to 60 inches:* fine sand

**Properties and qualities**

*Slope:* 5 to 12 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Excessively drained  
*Runoff class:* Very low  
*Capacity of the most limiting layer to transmit water (Ksat):* Very high (20.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 3 percent  
*Gypsum, maximum content:* 1 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 2.0  
*Available water supply, 0 to 60 inches:* Low (about 3.1 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7e  
*Hydrologic Soil Group:* A  
*Ecological site:* R042XC022NM - Sandhills  
*Hydric soil rating:* No



## Custom Soil Resource Report

**Description of Dune Land****Setting**

*Landform:* Dunes

*Landform position (two-dimensional):* Shoulder, backslope, footslope

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex, linear, concave

*Across-slope shape:* Convex

**Typical profile**

*A - 0 to 6 inches:* fine sand

*C - 6 to 60 inches:* fine sand

**Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 8e

*Hydrologic Soil Group:* A

*Hydric soil rating:* No

**Minor Components****Palomas**

*Percent of map unit:* 3 percent

*Ecological site:* R042XC003NM - Loamy Sand

*Hydric soil rating:* No

**Pyote**

*Percent of map unit:* 3 percent

*Ecological site:* R042XC003NM - Loamy Sand

*Hydric soil rating:* No

**Wink**

*Percent of map unit:* 2 percent

*Ecological site:* R042XC003NM - Loamy Sand

*Hydric soil rating:* No

**Maljamar**

*Percent of map unit:* 2 percent

*Ecological site:* R042XC003NM - Loamy Sand

*Hydric soil rating:* No





# **APPENDIX III**

## **C-141 FORMS**

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural  
Resources Department

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	nAPP2126542912
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party: 3 Bear Delaware Operating – NM, LLC	OGRID: 372603
Contact Name: Liz Klein	Contact Telephone: (303) 882-4404
Contact email: lklein@3bearllc.com	Incident # (assigned by OCD)
Contact mailing address 1512 Larimer St. Suite 540, Denver, CO 80202	

### Location of Release Source

Latitude 32.625833

(NAD 83 in decimal degrees to 5 decimal places)

Longitude -103.470556

Site Name: OIL 6" STEEL MB Charolais 28 21	Site Type: Pipeline
Date Release Discovered: 9/9/2021	API# (if applicable):

Unit Letter	Section	Township	Range	County
	28	19S	35E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) Initial estimated based on aerial extent 6 bbls on the surface (determined by surface volume length x width x depth). Based on soils excavated it is estimated another 30 bbls of oil in the impacted soil. Total volume released 36 bbls	Volume Recovered (bbls) 4 bbls recovered from surface by a hydrovac and remaining 32 bbls recovered by soil excavation
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Incident ID	nAPP2126542912
District RP	
Facility ID	
Application ID	

Cause of Release: Pipe failure. Investigating cause of failure. Pipe sent to laboratory for analysis.

Was this a major release as defined by 19.15.29.7(A) NMAC?

☒ Yes ☐ No

If YES, for what reason(s) does the responsible party consider this a major release?  
Because the spill was greater than 25 bbls in volume this incident is considered a major release.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?  
Initial notification was given by email by Elisabeth Klein, 3Bear Energy, on 9/14/2021 to Mike Bratcher and [emnrd-oed-district1spills@state.nm.us](mailto:emnrd-oed-district1spills@state.nm.us); however, at the time it was reported as a 6 bbls spill since investigation and excavation was still ongoing. The notice was given because the spill occurred on state land. GPS coordinates received on 9/9/2021 were incorrect. When it was determined the spill occurred on state land; the New Mexico State Land Office and OCD were notified.

## Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

State of New Mexico  
Oil Conservation Division

Page 3

Incident ID	nAPP2126542912
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Elisabeth Klein Title: Director, EHS Regulatory Compliance

Signature:  Date: 9/24/2021

email: lklein@3bearllc.com Telephone: (303) 882-4404

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nAPP2126542912
District RP	
Facility ID	
Application ID	

## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Elisabeth Klein Title: Director, EHS Regulatory Compliance

Signature:  Date: 11/15/2021

email: lklein@3bearkllc.com Telephone: 303-882-4404

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nAPP2126542912
District RP	
Facility ID	
Application ID	

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Elisabeth Klein Title: Director, EHS Regulatory Compliance

Signature:  Date: 11/15/2021

email: lklein@3bearllc.com Telephone: 303-882-4404

### OCD Only

Received by: Chad Hensley Date: 01/25/2022

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 01/25/2022

Printed Name: Chad Hensley Title: Environmental Specialist Advanced



## **APPENDIX IV**

# **PHOTOGRAPHIC DOCUMENTATION**



**3 Bear Delaware Operating Oil 6" Steel MB Charolais 28 21****PHOTO DOCUMENTATION**

6" Line Exposed-Source and surfactant impact



Spill Run looking East-North of county lease rd.



Spill Run looking East-Excavated



Source excavated to 25 feet bgs.



County lease road excavated (S. Sidewall)



S. Sidewall of lease road



### 3 Bear Delaware Operating Oil 6" Steel MB Charolais 28 21

---



Excavation of N. Sidewall

#### Completion Photo



Backfilled to grade



# **APPENDIX V**

## **SEED TAG**

Curtis and Curtis Seed  
4500 North Prince  
Clovis, NM 88101  
Phone: (575) 762-4759

### BLM LCP Seed Mix

Lot# 1473

Item	Origin	Purity	Germ	Dormant	Germ & Dormant	Test Date
Plains Bristlegrass	Oklahoma	18.48%	6.00%	93.00%	99.00%	01/19
Variety Not Stated						
Sand Bluestem	Nebraska	18.48%	87.00%	12.00%	99.00%	05/19
Goldstriker						
Little Bluestem	Kansas	11.44%	36.00%	60.00%	96.00%	12/18
Cimarron						
Big Bluestem	Texas	22.87%	96.00%	0.00%	96.00%	11/18
Kaw						
Coreopsis	Oregon	7.55%	91.00%	6.00%	97.00%	05/19
Plains						
Sand Dropseed	Colorado	3.90%	3.00%	91.00%	94.00%	05/19
Variety Not Stated						

Other Crop: 0.10%  
Weed Seed: 0.17%  
Inert Matter: 17.02%  
Noxious: None

There Are 1 Bags For This Mix  
This Bag Weighs 27.33 Bulk Pounds  
Use This Bag For 1 Acres Broadcast Rate

Total Bulk Pounds: 27.33

1 Acre 702248.033.01

Curtis and Curtis Seed  
4500 North Prince  
Clovis, NM 88101  
Phone: (575) 762-4759

### BLM LCP Seed Mix

Lot# 1473

Item	Origin	Purity	Germ	Dormant	Germ & Dormant	Test Date
Plains Bristlegrass	Oklahoma	18.48%	6.00%	93.00%	99.00%	01/19
Variety Not Stated						
Sand Bluestem	Nebraska	18.48%	87.00%	12.00%	99.00%	05/19
Goldstriker						
Little Bluestem	Kansas	11.44%	36.00%	60.00%	96.00%	12/18
Cimarron						
Big Bluestem	Texas	22.87%	96.00%	0.00%	96.00%	11/18
Kaw						
Coreopsis	Oregon	7.55%	91.00%	6.00%	97.00%	05/19
Plains						
Sand Dropseed	Colorado	3.90%	3.00%	91.00%	94.00%	05/19
Variety Not Stated						

Other Crop: 0.10%  
Weed Seed: 0.17%  
Inert Matter: 17.02%  
Noxious: None

There Are 2 Bags For This Mix  
This Bag Weighs 27.33 Bulk Pounds  
Use This Bag For 1 Acres Broadcast Rate

Total Bulk Pounds: 54.66

2 acre 702248.036.01



# **APPENDIX VI**

# **LABORATORY DATA**



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

September 22, 2021

Rebecca Pons  
Talon Artesia  
408 West Texas Ave  
Artesia, NM 88210  
TEL:  
FAX

RE: Charolais 6 inch Pipeline

OrderNo.: 2109653

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 12 sample(s) on 9/14/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2109653

Date Reported: 9/22/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-1 6'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 9:35:00 AM

Lab ID: 2109653-001

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	9/15/2021 8:43:59 PM	62598
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	25	8.7		mg/Kg	1	9/15/2021 1:07:02 PM	62578
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	9/15/2021 1:07:02 PM	62578
Surr: DNOP	109	70-130		%Rec	1	9/15/2021 1:07:02 PM	62578
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/15/2021 11:10:47 AM	62575
Surr: BFB	108	70-130		%Rec	1	9/15/2021 11:10:47 AM	62575
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	9/15/2021 11:10:47 AM	62575
Toluene	ND	0.050		mg/Kg	1	9/15/2021 11:10:47 AM	62575
Ethylbenzene	ND	0.050		mg/Kg	1	9/15/2021 11:10:47 AM	62575
Xylenes, Total	ND	0.099		mg/Kg	1	9/15/2021 11:10:47 AM	62575
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	1	9/15/2021 11:10:47 AM	62575

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2109653

Date Reported: 9/22/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-2 6'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 9:38:00 AM

Lab ID: 2109653-002

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	9/15/2021 8:56:23 PM	62598
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	2000	95		mg/Kg	10	9/15/2021 1:36:10 PM	62578
Motor Oil Range Organics (MRO)	760	470		mg/Kg	10	9/15/2021 1:36:10 PM	62578
Surr: DNOP	0	70-130	S	%Rec	10	9/15/2021 1:36:10 PM	62578
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	60	24		mg/Kg	5	9/15/2021 3:54:08 PM	62575
Surr: BFB	190	70-130	S	%Rec	5	9/15/2021 3:54:08 PM	62575
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.12		mg/Kg	5	9/15/2021 3:54:08 PM	62575
Toluene	0.30	0.24		mg/Kg	5	9/15/2021 3:54:08 PM	62575
Ethylbenzene	0.92	0.24		mg/Kg	5	9/15/2021 3:54:08 PM	62575
Xylenes, Total	1.5	0.48		mg/Kg	5	9/15/2021 3:54:08 PM	62575
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	5	9/15/2021 3:54:08 PM	62575

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2109653

Date Reported: 9/22/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-3 6'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 9:41:00 AM

Lab ID: 2109653-003

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	9/15/2021 9:08:48 PM	62598
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	30	8.8		mg/Kg	1	9/15/2021 1:46:07 PM	62578
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	9/15/2021 1:46:07 PM	62578
Surr: DNOP	115	70-130		%Rec	1	9/15/2021 1:46:07 PM	62578
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/15/2021 11:34:16 AM	62575
Surr: BFB	105	70-130		%Rec	1	9/15/2021 11:34:16 AM	62575
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	9/15/2021 11:34:16 AM	62575
Toluene	ND	0.049		mg/Kg	1	9/15/2021 11:34:16 AM	62575
Ethylbenzene	ND	0.049		mg/Kg	1	9/15/2021 11:34:16 AM	62575
Xylenes, Total	ND	0.099		mg/Kg	1	9/15/2021 11:34:16 AM	62575
Surr: 4-Bromofluorobenzene	88.8	70-130		%Rec	1	9/15/2021 11:34:16 AM	62575

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2109653

Date Reported: 9/22/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-4 6'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 9:44:00 AM

Lab ID: 2109653-004

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	9/15/2021 9:21:12 PM	62598
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	1500	19		mg/Kg	2	9/16/2021 12:44:00 PM	62578
Motor Oil Range Organics (MRO)	630	93		mg/Kg	2	9/16/2021 12:44:00 PM	62578
Surr: DNOP	89.5	70-130		%Rec	2	9/16/2021 12:44:00 PM	62578
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	88	24		mg/Kg	5	9/15/2021 5:29:00 PM	62575
Surr: BFB	235	70-130	S	%Rec	5	9/15/2021 5:29:00 PM	62575
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.12		mg/Kg	5	9/15/2021 5:29:00 PM	62575
Toluene	0.27	0.24		mg/Kg	5	9/15/2021 5:29:00 PM	62575
Ethylbenzene	1.4	0.24		mg/Kg	5	9/15/2021 5:29:00 PM	62575
Xylenes, Total	2.3	0.49		mg/Kg	5	9/15/2021 5:29:00 PM	62575
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	5	9/15/2021 5:29:00 PM	62575

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2109653

Date Reported: 9/22/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-1 0'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 10:00:00 AM

Lab ID: 2109653-005

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	59		mg/Kg	20	9/15/2021 9:33:36 PM	62598
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	46	9.8		mg/Kg	1	9/15/2021 2:06:01 PM	62578
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/15/2021 2:06:01 PM	62578
Surr: DNOP	114	70-130		%Rec	1	9/15/2021 2:06:01 PM	62578
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/15/2021 11:57:44 AM	62575
Surr: BFB	105	70-130		%Rec	1	9/15/2021 11:57:44 AM	62575
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	9/15/2021 11:57:44 AM	62575
Toluene	ND	0.050		mg/Kg	1	9/15/2021 11:57:44 AM	62575
Ethylbenzene	ND	0.050		mg/Kg	1	9/15/2021 11:57:44 AM	62575
Xylenes, Total	ND	0.10		mg/Kg	1	9/15/2021 11:57:44 AM	62575
Surr: 4-Bromofluorobenzene	88.4	70-130		%Rec	1	9/15/2021 11:57:44 AM	62575

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2109653

Date Reported: 9/22/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-2 0'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 10:03:00 AM

Lab ID: 2109653-006

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	9/15/2021 10:10:49 PM	62598
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	54	9.7		mg/Kg	1	9/15/2021 2:15:55 PM	62578
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/15/2021 2:15:55 PM	62578
Surr: DNOP	100	70-130		%Rec	1	9/15/2021 2:15:55 PM	62578
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/15/2021 12:21:16 PM	62575
Surr: BFB	106	70-130		%Rec	1	9/15/2021 12:21:16 PM	62575
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	9/15/2021 12:21:16 PM	62575
Toluene	ND	0.049		mg/Kg	1	9/15/2021 12:21:16 PM	62575
Ethylbenzene	ND	0.049		mg/Kg	1	9/15/2021 12:21:16 PM	62575
Xylenes, Total	ND	0.099		mg/Kg	1	9/15/2021 12:21:16 PM	62575
Surr: 4-Bromofluorobenzene	91.9	70-130		%Rec	1	9/15/2021 12:21:16 PM	62575

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2109653

Date Reported: 9/22/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-3 0'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 10:06:00 AM

Lab ID: 2109653-007

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	9/15/2021 10:23:13 PM	62598
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	9/15/2021 2:25:49 PM	62578
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	9/15/2021 2:25:49 PM	62578
Surr: DNOP	103	70-130		%Rec	1	9/15/2021 2:25:49 PM	62578
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	9/15/2021 9:59:59 AM	62575
Surr: BFB	105	70-130		%Rec	5	9/15/2021 9:59:59 AM	62575
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	0.23	0.12		mg/Kg	5	9/15/2021 9:59:59 AM	62575
Toluene	0.36	0.24		mg/Kg	5	9/15/2021 9:59:59 AM	62575
Ethylbenzene	ND	0.24		mg/Kg	5	9/15/2021 9:59:59 AM	62575
Xylenes, Total	ND	0.48		mg/Kg	5	9/15/2021 9:59:59 AM	62575
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	5	9/15/2021 9:59:59 AM	62575

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2109653

Date Reported: 9/22/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-4 0'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 10:09:00 AM

Lab ID: 2109653-008

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	9/15/2021 10:35:37 PM	62598
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/15/2021 2:35:44 PM	62578
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/15/2021 2:35:44 PM	62578
Surr: DNOP	105	70-130		%Rec	1	9/15/2021 2:35:44 PM	62578
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/15/2021 12:44:48 PM	62575
Surr: BFB	107	70-130		%Rec	1	9/15/2021 12:44:48 PM	62575
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	0.048	0.024		mg/Kg	1	9/15/2021 12:44:48 PM	62575
Toluene	0.11	0.048		mg/Kg	1	9/15/2021 12:44:48 PM	62575
Ethylbenzene	0.050	0.048		mg/Kg	1	9/15/2021 12:44:48 PM	62575
Xylenes, Total	ND	0.096		mg/Kg	1	9/15/2021 12:44:48 PM	62575
Surr: 4-Bromofluorobenzene	91.8	70-130		%Rec	1	9/15/2021 12:44:48 PM	62575

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2109653

Date Reported: 9/22/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-SW1 6'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 10:30:00 AM

Lab ID: 2109653-009

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	110	60		mg/Kg	20	9/15/2021 10:48:02 PM	62598
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/15/2021 2:45:37 PM	62578
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/15/2021 2:45:37 PM	62578
Surr: DNOP	105	70-130		%Rec	1	9/15/2021 2:45:37 PM	62578
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/15/2021 2:19:12 PM	62575
Surr: BFB	107	70-130		%Rec	1	9/15/2021 2:19:12 PM	62575
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	0.080	0.023		mg/Kg	1	9/15/2021 2:19:12 PM	62575
Toluene	0.078	0.047		mg/Kg	1	9/15/2021 2:19:12 PM	62575
Ethylbenzene	ND	0.047		mg/Kg	1	9/15/2021 2:19:12 PM	62575
Xylenes, Total	ND	0.093		mg/Kg	1	9/15/2021 2:19:12 PM	62575
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	1	9/15/2021 2:19:12 PM	62575

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2109653

Date Reported: 9/22/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-SW2 6'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 10:33:00 AM

Lab ID: 2109653-010

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	71	60		mg/Kg	20	9/16/2021 7:57:38 AM	62598
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	19000	1000		mg/Kg	100	9/16/2021 2:47:10 PM	62578
Motor Oil Range Organics (MRO)	7500	5000		mg/Kg	100	9/16/2021 2:47:10 PM	62578
Surr: DNOP	0	70-130	S	%Rec	100	9/16/2021 2:47:10 PM	62578
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	4800	240		mg/Kg	50	9/15/2021 10:23:35 AM	62575
Surr: BFB	408	70-130	S	%Rec	50	9/15/2021 10:23:35 AM	62575
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	26	1.2		mg/Kg	50	9/15/2021 10:23:35 AM	62575
Toluene	210	2.4		mg/Kg	50	9/15/2021 10:23:35 AM	62575
Ethylbenzene	190	2.4		mg/Kg	50	9/15/2021 10:23:35 AM	62575
Xylenes, Total	220	4.7		mg/Kg	50	9/15/2021 10:23:35 AM	62575
Surr: 4-Bromofluorobenzene	142	70-130	S	%Rec	50	9/15/2021 10:23:35 AM	62575

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2109653

Date Reported: 9/22/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N-SW1 6'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 10:36:00 AM

Lab ID: 2109653-011

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	9/15/2021 11:12:50 PM	62598
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	35	9.9		mg/Kg	1	9/16/2021 1:36:01 PM	62578
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/16/2021 1:36:01 PM	62578
Surr: DNOP	88.7	70-130		%Rec	1	9/16/2021 1:36:01 PM	62578
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	9/15/2021 2:42:54 PM	62575
Surr: BFB	108	70-130		%Rec	5	9/15/2021 2:42:54 PM	62575
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	0.20	0.12		mg/Kg	5	9/15/2021 2:42:54 PM	62575
Toluene	0.24	0.24		mg/Kg	5	9/15/2021 2:42:54 PM	62575
Ethylbenzene	ND	0.24		mg/Kg	5	9/15/2021 2:42:54 PM	62575
Xylenes, Total	ND	0.48		mg/Kg	5	9/15/2021 2:42:54 PM	62575
Surr: 4-Bromofluorobenzene	90.9	70-130		%Rec	5	9/15/2021 2:42:54 PM	62575

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2109653

Date Reported: 9/22/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N-SW2 6'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 10:39:00 AM

Lab ID: 2109653-012

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2500	300		mg/Kg	100	9/15/2021 11:25:15 PM	62598
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	24000	940		mg/Kg	100	9/16/2021 3:00:22 PM	62578
Motor Oil Range Organics (MRO)	8900	4700		mg/Kg	100	9/16/2021 3:00:22 PM	62578
Surr: DNOP	0	70-130	S	%Rec	100	9/16/2021 3:00:22 PM	62578
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	14000	240		mg/Kg	50	9/15/2021 10:47:15 AM	62575
Surr: BFB	581	70-130	S	%Rec	50	9/15/2021 10:47:15 AM	62575
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	260	12		mg/Kg	500	9/15/2021 6:16:28 PM	62575
Toluene	980	24		mg/Kg	500	9/15/2021 6:16:28 PM	62575
Ethylbenzene	480	24		mg/Kg	500	9/15/2021 6:16:28 PM	62575
Xylenes, Total	470	4.9		mg/Kg	50	9/15/2021 10:47:15 AM	62575
Surr: 4-Bromofluorobenzene	178	70-130	S	%Rec	50	9/15/2021 10:47:15 AM	62575

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2109653

22-Sep-21

**Client:** Talon Artesia  
**Project:** Charolais 6 inch Pipeline

Sample ID: <b>MB-62598</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>62598</b>	RunNo: <b>81279</b>								
Prep Date: <b>9/15/2021</b>	Analysis Date: <b>9/15/2021</b>	SeqNo: <b>2871600</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-62598</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>62598</b>	RunNo: <b>81279</b>								
Prep Date: <b>9/15/2021</b>	Analysis Date: <b>9/15/2021</b>	SeqNo: <b>2871601</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.5	90	110			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2109653

22-Sep-21

**Client:** Talon Artesia  
**Project:** Charolais 6 inch Pipeline

Sample ID: <b>LCS-62590</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>62590</b>	RunNo: <b>81280</b>								
Prep Date: <b>9/15/2021</b>	Analysis Date: <b>9/15/2021</b>	SeqNo: <b>2870379</b>			Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.6		5.000		112	70	130			

Sample ID: <b>MB-62590</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>62590</b>	RunNo: <b>81280</b>								
Prep Date: <b>9/15/2021</b>	Analysis Date: <b>9/15/2021</b>	SeqNo: <b>2870380</b>			Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		101	70	130			

Sample ID: <b>LCS-62578</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>62578</b>	RunNo: <b>81280</b>								
Prep Date: <b>9/14/2021</b>	Analysis Date: <b>9/15/2021</b>	SeqNo: <b>2870568</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.3	68.9	135			
Surr: DNOP	5.7		5.000		114	70	130			

Sample ID: <b>MB-62578</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>62578</b>	RunNo: <b>81280</b>								
Prep Date: <b>9/14/2021</b>	Analysis Date: <b>9/15/2021</b>	SeqNo: <b>2870570</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		103	70	130			

Sample ID: <b>2109653-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>S-1 6'</b>	Batch ID: <b>62578</b>	RunNo: <b>81280</b>								
Prep Date: <b>9/14/2021</b>	Analysis Date: <b>9/15/2021</b>	SeqNo: <b>2871214</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	9.0	44.92	24.70	78.5	39.3	155			
Surr: DNOP	5.6		4.492		124	70	130			

Sample ID: <b>2109653-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>S-1 6'</b>	Batch ID: <b>62578</b>	RunNo: <b>81280</b>								
Prep Date: <b>9/14/2021</b>	Analysis Date: <b>9/15/2021</b>	SeqNo: <b>2871215</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	61	8.6	42.92	24.70	83.9	39.3	155	1.24	23.4	

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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QC SUMMARY REPORT  
Hall Environmental Analysis Laboratory, Inc.

WO#: 2109653  
22-Sep-21

Client: Talon Artesia  
Project: Charolais 6 inch Pipeline

Sample ID: 2109653-001AMSD		SampType: MSD		TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: S-1 6'		Batch ID: 62578		RunNo: 81280						
Prep Date: 9/14/2021		Analysis Date: 9/15/2021		SeqNo: 2871215		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.2		4.292		121	70	130	0	0	

Qualifiers:

- \*

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix
- B

Analyte detected in the associated Method Blank
- E

Value above quantitation range
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2109653

22-Sep-21

**Client:** Talon Artesia  
**Project:** Charolais 6 inch Pipeline

Sample ID: <b>mb-62575</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>62575</b>	RunNo: <b>81305</b>								
Prep Date: <b>9/14/2021</b>	Analysis Date: <b>9/15/2021</b>	SeqNo: <b>2871491</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		103	70	130			

Sample ID: <b>lcs-62575</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>62575</b>	RunNo: <b>81305</b>								
Prep Date: <b>9/14/2021</b>	Analysis Date: <b>9/15/2021</b>	SeqNo: <b>2871492</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	5.0	25.00	0	122	78.6	131			
Surr: BFB	1100		1000		114	70	130			

Sample ID: <b>2109653-001ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>S-1 6'</b>	Batch ID: <b>62575</b>	RunNo: <b>81305</b>								
Prep Date: <b>9/14/2021</b>	Analysis Date: <b>9/15/2021</b>	SeqNo: <b>2871494</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	32	5.0	24.88	0	127	61.3	114			S
Surr: BFB	1200		995.0		122	70	130			

Sample ID: <b>2109653-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>S-1 6'</b>	Batch ID: <b>62575</b>	RunNo: <b>81305</b>								
Prep Date: <b>9/14/2021</b>	Analysis Date: <b>9/15/2021</b>	SeqNo: <b>2871495</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	33	4.9	24.30	0	134	61.3	114	3.65	20	S
Surr: BFB	1200		971.8		123	70	130	0	0	

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2109653

22-Sep-21

**Client:** Talon Artesia  
**Project:** Charolais 6 inch Pipeline

Sample ID: <b>mb-62575</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>62575</b>	RunNo: <b>81305</b>								
Prep Date: <b>9/14/2021</b>	Analysis Date: <b>9/15/2021</b>	SeqNo: <b>2871528</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		89.1	70	130			

Sample ID: <b>LCS-62575</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>62575</b>	RunNo: <b>81305</b>								
Prep Date: <b>9/14/2021</b>	Analysis Date: <b>9/15/2021</b>	SeqNo: <b>2871529</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	96.9	80	120			
Toluene	0.98	0.050	1.000	0	98.5	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.0	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		90.8	70	130			

Sample ID: <b>2109653-002ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>S-2 6'</b>	Batch ID: <b>62575</b>	RunNo: <b>81305</b>								
Prep Date: <b>9/14/2021</b>	Analysis Date: <b>9/15/2021</b>	SeqNo: <b>2871533</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.12	0.9804	0.07335	99.1	80	120			
Toluene	1.3	0.25	0.9804	0.2963	102	80	120			
Ethylbenzene	1.9	0.25	0.9804	0.9214	96.7	80	120			
Xylenes, Total	4.4	0.49	2.941	1.476	98.3	80	120			
Surr: 4-Bromofluorobenzene	4.9		4.902		99.6	70	130			

Sample ID: <b>2109653-002amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>S-2 6'</b>	Batch ID: <b>62575</b>	RunNo: <b>81305</b>								
Prep Date: <b>9/14/2021</b>	Analysis Date: <b>9/15/2021</b>	SeqNo: <b>2871534</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.12	0.9775	0.07335	97.8	80	120	1.47	20	
Toluene	1.3	0.24	0.9775	0.2963	101	80	120	1.13	20	
Ethylbenzene	1.9	0.24	0.9775	0.9214	97.5	80	120	0.281	20	
Xylenes, Total	4.4	0.49	2.933	1.476	98.9	80	120	0.188	20	
Surr: 4-Bromofluorobenzene	5.0		4.888		102	70	130	0	0	

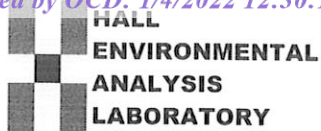
**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

## Sample Log-In Check List

Client Name: Talon Artesia

Work Order Number: 2109653

RcptNo: 1

Received By: Cheyenne Cason

9/14/2021 7:20:00 AM

Completed By: Sean Livingston

9/14/2021 8:12:00 AM

Reviewed By: SPA 9.14.21

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: JN 9/14/21

### Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

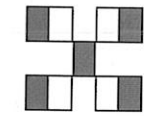
Client Instructions: \_\_\_\_\_

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.9	Good				

# Chain-of-Custody Record



## HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

### Analysis Request

Turn-Around Time: <input type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush 48 Hour		Project Name: Charolais 6" pipeline (Char)	
Project #:		Project Manager: R. Pons	
Sampler: J. Carnes		On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
# of Coolers:		Cooler Temp (including CF): 0.8 + 0.1 = 0.9	
Container Type and #	Preservative Type	HEAL No.	21096 S3
Glass Jar	Ice/Cool		21096-502 9/14/21
Date	Time	Matrix	Sample Name
9/11/2021	9:35	Soil	S-1 6'
	9:38		S-2 6'
	9:41		S-3 6'
	9:44		S-4 6'
	10:00		BG-1 0'
	10:03		BG-2 0'
	10:06		BG-3 0'
	10:09		BG-4 0'
	10:30		S-SW1 6'
	10:33		S-SW2 6'
	10:36		N-SW1 6'
	10:39		N-SW2 6'
Date:	Time:	Relinquished by:	
9/13/21	11:30	<i>[Signature]</i>	
Date:	Time:	Relinquished by:	
9/13/21	1900	<i>[Signature]</i>	
Received by: <i>[Signature]</i>		Via:	Date: 9/13/21 11:30
Received by: <i>[Signature]</i>		Via:	Date: 9/14/21 07:20



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

September 24, 2021

Rebecca Pons  
Talon Artesia  
408 West Texas Ave  
Artesia, NM 88210  
TEL:  
FAX

RE: Charolais 6 Pipeline

OrderNo.: 2109996

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 14 sample(s) on 9/18/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2109996

Date Reported: 9/24/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S.SW-1 7'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 11:30:00 AM

Lab ID: 2109996-001

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	59		mg/Kg	20	9/21/2021 2:58:10 PM	62706
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/21/2021 1:21:17 PM	62690
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/21/2021 1:21:17 PM	62690
Surr: DNOP	80.6	70-130		%Rec	1	9/21/2021 1:21:17 PM	62690
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 12:16:00 PM	62677
Surr: BFB	93.2	70-130		%Rec	1	9/21/2021 12:16:00 PM	62677
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	9/21/2021 12:16:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 12:16:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 12:16:00 PM	62677
Xylenes, Total	ND	0.098		mg/Kg	1	9/21/2021 12:16:00 PM	62677
Surr: 4-Bromofluorobenzene	79.5	70-130		%Rec	1	9/21/2021 12:16:00 PM	62677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2109996

Date Reported: 9/24/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S.SW-2 7'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 11:33:00 AM

Lab ID: 2109996-002

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	9/21/2021 3:35:25 PM	62706
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/21/2021 1:33:35 PM	62690
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/21/2021 1:33:35 PM	62690
Surr: DNOP	91.5	70-130		%Rec	1	9/21/2021 1:33:35 PM	62690
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 12:36:00 PM	62677
Surr: BFB	89.8	70-130		%Rec	1	9/21/2021 12:36:00 PM	62677
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	9/21/2021 12:36:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 12:36:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 12:36:00 PM	62677
Xylenes, Total	ND	0.098		mg/Kg	1	9/21/2021 12:36:00 PM	62677
Surr: 4-Bromofluorobenzene	79.3	70-130		%Rec	1	9/21/2021 12:36:00 PM	62677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2109996

Date Reported: 9/24/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S.SW-3 7'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 11:36:00 AM

Lab ID: 2109996-003

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	9/21/2021 3:47:50 PM	62706
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/21/2021 1:46:03 PM	62690
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/21/2021 1:46:03 PM	62690
Surr: DNOP	93.9	70-130		%Rec	1	9/21/2021 1:46:03 PM	62690
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 12:55:00 PM	62677
Surr: BFB	91.4	70-130		%Rec	1	9/21/2021 12:55:00 PM	62677
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	9/21/2021 12:55:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 12:55:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 12:55:00 PM	62677
Xylenes, Total	ND	0.099		mg/Kg	1	9/21/2021 12:55:00 PM	62677
Surr: 4-Bromofluorobenzene	79.6	70-130		%Rec	1	9/21/2021 12:55:00 PM	62677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2109996

Date Reported: 9/24/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S.SW-4 7'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 11:39:00 AM

Lab ID: 2109996-004

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	9/21/2021 4:00:15 PM	62706
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	46	9.8		mg/Kg	1	9/21/2021 1:58:46 PM	62690
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/21/2021 1:58:46 PM	62690
Surr: DNOP	90.7	70-130		%Rec	1	9/21/2021 1:58:46 PM	62690
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/21/2021 1:15:00 PM	62677
Surr: BFB	97.3	70-130		%Rec	1	9/21/2021 1:15:00 PM	62677
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	9/21/2021 1:15:00 PM	62677
Toluene	ND	0.050		mg/Kg	1	9/21/2021 1:15:00 PM	62677
Ethylbenzene	ND	0.050		mg/Kg	1	9/21/2021 1:15:00 PM	62677
Xylenes, Total	ND	0.099		mg/Kg	1	9/21/2021 1:15:00 PM	62677
Surr: 4-Bromofluorobenzene	80.6	70-130		%Rec	1	9/21/2021 1:15:00 PM	62677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2109996

Date Reported: 9/24/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S.SW-5 4'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 11:42:00 AM

Lab ID: 2109996-005

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	9/21/2021 4:12:40 PM	62706
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	160	9.5		mg/Kg	1	9/21/2021 2:11:17 PM	62690
Motor Oil Range Organics (MRO)	98	48		mg/Kg	1	9/21/2021 2:11:17 PM	62690
Surr: DNOP	90.0	70-130		%Rec	1	9/21/2021 2:11:17 PM	62690
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 1:35:00 PM	62677
Surr: BFB	96.0	70-130		%Rec	1	9/21/2021 1:35:00 PM	62677
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	9/21/2021 1:35:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 1:35:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 1:35:00 PM	62677
Xylenes, Total	ND	0.099		mg/Kg	1	9/21/2021 1:35:00 PM	62677
Surr: 4-Bromofluorobenzene	79.7	70-130		%Rec	1	9/21/2021 1:35:00 PM	62677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2109996

Date Reported: 9/24/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S.SW-6 4'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 11:45:00 AM

Lab ID: 2109996-006

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	9/21/2021 4:25:04 PM	62706
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	18	9.7		mg/Kg	1	9/21/2021 2:36:45 PM	62690
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/21/2021 2:36:45 PM	62690
Surr: DNOP	87.7	70-130		%Rec	1	9/21/2021 2:36:45 PM	62690
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 2:33:00 PM	62677
Surr: BFB	92.0	70-130		%Rec	1	9/21/2021 2:33:00 PM	62677
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	9/21/2021 2:33:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 2:33:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 2:33:00 PM	62677
Xylenes, Total	ND	0.099		mg/Kg	1	9/21/2021 2:33:00 PM	62677
Surr: 4-Bromofluorobenzene	78.3	70-130		%Rec	1	9/21/2021 2:33:00 PM	62677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2109996

Date Reported: 9/24/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N.SW-1 7'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 11:50:00 AM

Lab ID: 2109996-007

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	9/21/2021 4:37:28 PM	62706
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	270	9.8		mg/Kg	1	9/21/2021 2:49:25 PM	62690
Motor Oil Range Organics (MRO)	140	49		mg/Kg	1	9/21/2021 2:49:25 PM	62690
Surr: DNOP	79.3	70-130		%Rec	1	9/21/2021 2:49:25 PM	62690
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	5.3	4.9		mg/Kg	1	9/21/2021 2:53:00 PM	62677
Surr: BFB	121	70-130		%Rec	1	9/21/2021 2:53:00 PM	62677
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	9/21/2021 2:53:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 2:53:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 2:53:00 PM	62677
Xylenes, Total	ND	0.099		mg/Kg	1	9/21/2021 2:53:00 PM	62677
Surr: 4-Bromofluorobenzene	81.1	70-130		%Rec	1	9/21/2021 2:53:00 PM	62677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2109996

Date Reported: 9/24/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N.SW-2 7'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 11:53:00 AM

Lab ID: 2109996-008

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	9/21/2021 4:49:53 PM	62706
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/21/2021 3:14:54 PM	62690
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/21/2021 3:14:54 PM	62690
Surr: DNOP	109	70-130		%Rec	1	9/21/2021 3:14:54 PM	62690
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 3:13:00 PM	62677
Surr: BFB	89.6	70-130		%Rec	1	9/21/2021 3:13:00 PM	62677
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	9/21/2021 3:13:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 3:13:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 3:13:00 PM	62677
Xylenes, Total	ND	0.099		mg/Kg	1	9/21/2021 3:13:00 PM	62677
Surr: 4-Bromofluorobenzene	77.3	70-130		%Rec	1	9/21/2021 3:13:00 PM	62677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		



## Analytical Report

Lab Order 2109996

Date Reported: 9/24/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N.SW-3 7'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 11:56:00 AM

Lab ID: 2109996-009

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	9/21/2021 5:02:17 PM	62706
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/21/2021 3:27:43 PM	62690
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/21/2021 3:27:43 PM	62690
Surr: DNOP	105	70-130		%Rec	1	9/21/2021 3:27:43 PM	62690
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 3:32:00 PM	62677
Surr: BFB	90.5	70-130		%Rec	1	9/21/2021 3:32:00 PM	62677
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	9/21/2021 3:32:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 3:32:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 3:32:00 PM	62677
Xylenes, Total	ND	0.098		mg/Kg	1	9/21/2021 3:32:00 PM	62677
Surr: 4-Bromofluorobenzene	78.8	70-130		%Rec	1	9/21/2021 3:32:00 PM	62677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2109996

Date Reported: 9/24/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N.SW-4 7'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 11:59:00 AM

Lab ID: 2109996-010

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	59		mg/Kg	20	9/21/2021 5:14:41 PM	62706
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/21/2021 3:40:20 PM	62690
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/21/2021 3:40:20 PM	62690
Surr: DNOP	96.2	70-130		%Rec	1	9/21/2021 3:40:20 PM	62690
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 3:52:00 PM	62677
Surr: BFB	94.8	70-130		%Rec	1	9/21/2021 3:52:00 PM	62677
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	9/21/2021 3:52:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 3:52:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 3:52:00 PM	62677
Xylenes, Total	ND	0.098		mg/Kg	1	9/21/2021 3:52:00 PM	62677
Surr: 4-Bromofluorobenzene	79.5	70-130		%Rec	1	9/21/2021 3:52:00 PM	62677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2109996

Date Reported: 9/24/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N.SW-5 4'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 12:02:00 PM

Lab ID: 2109996-011

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	9/21/2021 5:27:06 PM	62706
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	14	9.6		mg/Kg	1	9/21/2021 3:53:06 PM	62690
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/21/2021 3:53:06 PM	62690
Surr: DNOP	94.2	70-130		%Rec	1	9/21/2021 3:53:06 PM	62690
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 4:12:00 PM	62677
Surr: BFB	91.7	70-130		%Rec	1	9/21/2021 4:12:00 PM	62677
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	9/21/2021 4:12:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 4:12:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 4:12:00 PM	62677
Xylenes, Total	ND	0.098		mg/Kg	1	9/21/2021 4:12:00 PM	62677
Surr: 4-Bromofluorobenzene	77.5	70-130		%Rec	1	9/21/2021 4:12:00 PM	62677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

## Analytical Report

Lab Order 2109996

Date Reported: 9/24/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N.SW-6 4'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 12:05:00 PM

Lab ID: 2109996-012

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	9/21/2021 6:04:19 PM	62706
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	17	9.7		mg/Kg	1	9/21/2021 4:05:40 PM	62690
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/21/2021 4:05:40 PM	62690
Surr: DNOP	98.2	70-130		%Rec	1	9/21/2021 4:05:40 PM	62690
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 4:31:00 PM	62677
Surr: BFB	96.4	70-130		%Rec	1	9/21/2021 4:31:00 PM	62677
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	9/21/2021 4:31:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 4:31:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 4:31:00 PM	62677
Xylenes, Total	ND	0.097		mg/Kg	1	9/21/2021 4:31:00 PM	62677
Surr: 4-Bromofluorobenzene	81.8	70-130		%Rec	1	9/21/2021 4:31:00 PM	62677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2109996

Date Reported: 9/24/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: W.SW 7'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 12:10:00 PM

Lab ID: 2109996-013

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	9/21/2021 6:16:43 PM	62706
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	36	9.8		mg/Kg	1	9/21/2021 4:18:26 PM	62690
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/21/2021 4:18:26 PM	62690
Surr: DNOP	80.6	70-130		%Rec	1	9/21/2021 4:18:26 PM	62690
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 4:51:00 PM	62677
Surr: BFB	96.1	70-130		%Rec	1	9/21/2021 4:51:00 PM	62677
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	9/21/2021 4:51:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 4:51:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 4:51:00 PM	62677
Xylenes, Total	ND	0.098		mg/Kg	1	9/21/2021 4:51:00 PM	62677
Surr: 4-Bromofluorobenzene	79.3	70-130		%Rec	1	9/21/2021 4:51:00 PM	62677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2109996

Date Reported: 9/24/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: E.SW 4'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 12:15:00 PM

Lab ID: 2109996-014

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	61		mg/Kg	20	9/21/2021 6:29:08 PM	62706
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	23	9.3		mg/Kg	1	9/21/2021 1:01:58 PM	62694
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/21/2021 1:01:58 PM	62694
Surr: DNOP	119	70-130		%Rec	1	9/21/2021 1:01:58 PM	62694
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 5:11:00 PM	62677
Surr: BFB	94.7	70-130		%Rec	1	9/21/2021 5:11:00 PM	62677
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	9/21/2021 5:11:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 5:11:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 5:11:00 PM	62677
Xylenes, Total	ND	0.099		mg/Kg	1	9/21/2021 5:11:00 PM	62677
Surr: 4-Bromofluorobenzene	76.9	70-130		%Rec	1	9/21/2021 5:11:00 PM	62677

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2109996

24-Sep-21

**Client:** Talon Artesia  
**Project:** Charolais 6 Pipeline

Sample ID: <b>MB-62706</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>62706</b>	RunNo: <b>81415</b>								
Prep Date: <b>9/21/2021</b>	Analysis Date: <b>9/21/2021</b>	SeqNo: <b>2877535</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-62706</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>62706</b>	RunNo: <b>81415</b>								
Prep Date: <b>9/21/2021</b>	Analysis Date: <b>9/21/2021</b>	SeqNo: <b>2877536</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.6	90	110			

### Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2109996

24-Sep-21

**Client:** Talon Artesia  
**Project:** Charolais 6 Pipeline

Sample ID: <b>2109996-014AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>E.SW 4'</b>	Batch ID: <b>62694</b>	RunNo: <b>81459</b>								
Prep Date: <b>9/20/2021</b>	Analysis Date: <b>9/21/2021</b>	SeqNo: <b>2878297</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	72	9.6	48.17	23.48	100	39.3	155			
Surr: DNOP	5.2		4.817		107	70	130			

Sample ID: <b>2109996-014AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>E.SW 4'</b>	Batch ID: <b>62694</b>	RunNo: <b>81459</b>								
Prep Date: <b>9/20/2021</b>	Analysis Date: <b>9/21/2021</b>	SeqNo: <b>2878298</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	82	9.5	47.26	23.48	123	39.3	155	13.2	23.4	
Surr: DNOP	5.7		4.726		120	70	130	0	0	

Sample ID: <b>LCS-62694</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>62694</b>	RunNo: <b>81459</b>								
Prep Date: <b>9/20/2021</b>	Analysis Date: <b>9/21/2021</b>	SeqNo: <b>2878299</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.9	68.9	135			
Surr: DNOP	5.2		5.000		105	70	130			

Sample ID: <b>MB-62694</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>62694</b>	RunNo: <b>81459</b>								
Prep Date: <b>9/20/2021</b>	Analysis Date: <b>9/21/2021</b>	SeqNo: <b>2878300</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		101	70	130			

Sample ID: <b>MB-62690</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>62690</b>	RunNo: <b>81461</b>								
Prep Date: <b>9/20/2021</b>	Analysis Date: <b>9/21/2021</b>	SeqNo: <b>2878558</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		100	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit



QC SUMMARY REPORT  
Hall Environmental Analysis Laboratory, Inc.

WO#: 2109996  
24-Sep-21

Client: Talon Artesia  
Project: Charolais 6 Pipeline

Sample ID: LCS-62690	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 62690	RunNo: 81461								
Prep Date: 9/20/2021	Analysis Date: 9/21/2021	SeqNo: 2878559	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	103	68.9	135			
Surr: DNOP	5.1		5.000		103	70	130			

Qualifiers:

- \*

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix
- B

Analyte detected in the associated Method Blank
- E

Value above quantitation range
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2109996

24-Sep-21

**Client:** Talon Artesia  
**Project:** Charolais 6 Pipeline

Sample ID: <b>mb-62677</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>62677</b>	RunNo: <b>81447</b>								
Prep Date: <b>9/20/2021</b>	Analysis Date: <b>9/21/2021</b>	SeqNo: <b>2877395</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	890		1000		88.8	70	130			

Sample ID: <b>lcs-62677</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>62677</b>	RunNo: <b>81447</b>								
Prep Date: <b>9/20/2021</b>	Analysis Date: <b>9/21/2021</b>	SeqNo: <b>2877397</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	31	5.0	25.00	0	123	78.6	131			
Surr: BFB	1100		1000		111	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2109996

24-Sep-21

**Client:** Talon Artesia  
**Project:** Charolais 6 Pipeline

Sample ID: <b>mb-62677</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>62677</b>	RunNo: <b>81447</b>								
Prep Date: <b>9/20/2021</b>	Analysis Date: <b>9/21/2021</b>	SeqNo: <b>2877443</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.79		1.000		78.5	70	130			

Sample ID: <b>lcs-62677</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>62677</b>	RunNo: <b>81447</b>								
Prep Date: <b>9/20/2021</b>	Analysis Date: <b>9/21/2021</b>	SeqNo: <b>2877445</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.4	80	120			
Toluene	0.92	0.050	1.000	0	91.7	80	120			
Ethylbenzene	0.94	0.050	1.000	0	93.5	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.9	80	120			
Surr: 4-Bromofluorobenzene	0.82		1.000		82.5	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

Page 19 of 19



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

## Sample Log-In Check List

Client Name: **Talon Artesia**Work Order Number: **2109996**RcptNo: **1**Received By: **Sean Livingston**

9/18/2021 9:00:00 AM

Completed By: **Sean Livingston**

9/18/2021 9:47:41 AM

Reviewed By: *See 9/18/21*

*See Log-In*  
*See Log-In*

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

( $<2$  or  $>12$  unless noted)

Adjusted?

Checked by: *df 9/18/21*

### Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

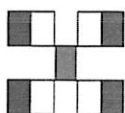
16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.2	Good				







**HALL ENVIRONMENTAL  
ANALYSIS LABORATORY**

[www.hallenvironmental.com](http://www.hallenvironmental.com)

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

## Analysis Request

[illegible]

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

October 12, 2021

Rebecca Pons  
Talon Artesia  
408 West Texas Ave  
Artesia, NM 88210  
TEL:  
FAX

RE: Charolais 6 inch Line

OrderNo.: 2110476

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 2 sample(s) on 10/8/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109



## Analytical Report

Lab Order 2110476

Date Reported: 10/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: NSWA-L4 5'

Project: Charolais 6 inch Line

Collection Date: 10/1/2021 11:12:00 AM

Lab ID: 2110476-001

Matrix: SOIL

Received Date: 10/8/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	160	60		mg/Kg	20	10/9/2021 2:48:43 PM	63176
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/11/2021 1:51:13 PM	63164
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/11/2021 1:51:13 PM	63164
Surr: DNOP	87.1	70-130		%Rec	1	10/11/2021 1:51:13 PM	63164
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/11/2021 9:48:00 PM	63161
Surr: BFB	89.7	70-130		%Rec	1	10/11/2021 9:48:00 PM	63161
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/11/2021 9:48:00 PM	63161
Toluene	ND	0.048		mg/Kg	1	10/11/2021 9:48:00 PM	63161
Ethylbenzene	ND	0.048		mg/Kg	1	10/11/2021 9:48:00 PM	63161
Xylenes, Total	ND	0.097		mg/Kg	1	10/11/2021 9:48:00 PM	63161
Surr: 4-Bromofluorobenzene	75.2	70-130		%Rec	1	10/11/2021 9:48:00 PM	63161

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		



## Analytical Report

Lab Order 2110476

Date Reported: 10/12/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: NW Bottom 26'

Project: Charolais 6 inch Line

Collection Date: 10/1/2021 11:18:00 AM

Lab ID: 2110476-002

Matrix: SOIL

Received Date: 10/8/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/9/2021 3:01:07 PM	63176
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/11/2021 2:03:58 PM	63164
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/11/2021 2:03:58 PM	63164
Surr: DNOP	87.3	70-130		%Rec	1	10/11/2021 2:03:58 PM	63164
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/11/2021 10:07:00 PM	63161
Surr: BFB	88.8	70-130		%Rec	1	10/11/2021 10:07:00 PM	63161
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	10/11/2021 10:07:00 PM	63161
Toluene	ND	0.046		mg/Kg	1	10/11/2021 10:07:00 PM	63161
Ethylbenzene	ND	0.046		mg/Kg	1	10/11/2021 10:07:00 PM	63161
Xylenes, Total	ND	0.092		mg/Kg	1	10/11/2021 10:07:00 PM	63161
Surr: 4-Bromofluorobenzene	79.5	70-130		%Rec	1	10/11/2021 10:07:00 PM	63161

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 2 of 6

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2110476

12-Oct-21

**Client:** Talon Artesia  
**Project:** Charolais 6 inch Line

Sample ID: <b>MB-63176</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63176</b>	RunNo: <b>81925</b>								
Prep Date: <b>10/9/2021</b>	Analysis Date: <b>10/9/2021</b>	SeqNo: <b>2899577</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63176</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63176</b>	RunNo: <b>81925</b>								
Prep Date: <b>10/9/2021</b>	Analysis Date: <b>10/9/2021</b>	SeqNo: <b>2899584</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.1	90	110			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

Page 3 of 6

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2110476

12-Oct-21

**Client:** Talon Artesia  
**Project:** Charolais 6 inch Line

Sample ID: <b>MB-63164</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63164</b>	RunNo: <b>81939</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2900398</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.5		10.00		84.9	70	130			

Sample ID: <b>LCS-63164</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63164</b>	RunNo: <b>81939</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2900403</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	84.4	68.9	135			
Surr: DNOP	4.4		5.000		87.3	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2110476

12-Oct-21

**Client:** Talon Artesia  
**Project:** Charolais 6 inch Line

Sample ID: <b>mb-63161</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63161</b>	RunNo: <b>81954</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2901240</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		98.6	70	130			

Sample ID: <b>lcs-63161</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63161</b>	RunNo: <b>81954</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2901242</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	110	78.6	131			
Surr: BFB	1100		1000		106	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit



**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2110476

12-Oct-21

**Client:** Talon Artesia  
**Project:** Charolais 6 inch Line

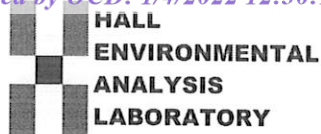
Sample ID: <b>mb-63161</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63161</b>	RunNo: <b>81954</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2901288</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.83		1.000		82.6	70	130			

Sample ID: <b>lcs-63161</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63161</b>	RunNo: <b>81954</b>								
Prep Date: <b>10/8/2021</b>	Analysis Date: <b>10/11/2021</b>	SeqNo: <b>2901290</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	106	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.2	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	0.81		1.000		80.8	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

## Sample Log-In Check List

Client Name: Talon Artesia

Work Order Number: 2110476

RcptNo: 1

Received By: Cheyenne Cason

10/8/2021 7:35:00 AM

*CC*

Completed By: Sean Livingston

10/8/2021 7:58:38 AM

*SL*

Reviewed By:

*jr 10/8/21*Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

( $<2$  or  $>12$  unless noted)

Adjusted? \_\_\_\_\_

Checked by: *KPG 10/08/21*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

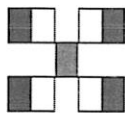
16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.7	Good				

Chain-of-Custody Record									
Client: <u>Jason LPE</u>		Turn-Around Time: <u>10-12-21</u>		<input type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush <u>Haley</u>					
Mailing Address:		Project Name:							
Phone #: <u>575-441-0980</u>		Project #: <u>202958.003.01</u>							
email or Fax#:		Project Manager: <u>D. Davis</u>							
QA/QC Package:		Sampler:							
<input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)		<input checked="" type="checkbox"/> On Ice <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
Accreditation: <input type="checkbox"/> Az Compliance <input type="checkbox"/> NELAC <input type="checkbox"/> Other		# of Coolers: <u>1</u>		Cooler Temp (including CF): <u>1.7-0±1.7</u> (°C)					
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.			
<u>10/6/1</u>	<u>11:12</u>		<u>NS01A-24 5'</u>	<u>See</u>	<u>See</u>	<u>2110476</u>			
<u>✓ 11:18</u>			<u>NW Bottom 24'</u>	<u>See</u>	<u>See</u>	<u>001</u>			
						<u>002</u>			
Date:	Time:	Relinquished by:	Received by:		Via:	Date	Time		
<u>10/6/21</u>	<u>11:20</u>	<u>D. Davis</u>	<u>Haley</u>			<u>10/6/21</u>	<u>11:20</u>		
Date:	Time:	Relinquished by:	Received by:		Via:	Date	Time		
<u>10/7/21</u>	<u>1900</u>	<u>ADAMS</u>	<u>See cover</u>			<u>10/8/21</u>	<u>0735</u>		

if necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



**HALL ENVIRONMENTAL  
ANALYSIS LABORATORY**

[www.hallenvironmental.com](http://www.hallenvironmental.com)

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

# Analysis Request

[illegible]

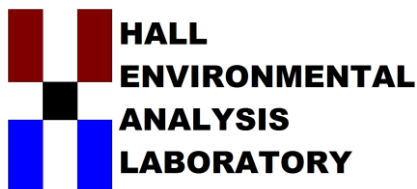
Remarks:

..Ppoms@talonLPs.com

Received by:	Via:	Date	Time
<i>[Signature]</i>		10/7/21	1120

Received by:	Via:	Date	Time
<i>[Signature]</i>		10/8/21	0735



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

October 22, 2021

Rebecca Pons  
Talon Artesia  
408 West Texas Ave  
Artesia, NM 88210  
TEL:  
FAX

RE: Charolais 6"

OrderNo.: 2110766

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 7 sample(s) on 10/16/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109



## Analytical Report

Lab Order 2110766

Date Reported: 10/22/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BC3-26'

Project: Charolais 6"

Collection Date: 10/14/2021 8:35:00 AM

Lab ID: 2110766-001

Matrix: SOIL

Received Date: 10/16/2021 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	140	60		mg/Kg	20	10/19/2021 1:54:13 AM	63373
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	69	10		mg/Kg	1	10/20/2021 8:21:16 PM	63366
Motor Oil Range Organics (MRO)	51	50		mg/Kg	1	10/20/2021 8:21:16 PM	63366
Surr: DNOP	99.9	70-130		%Rec	1	10/20/2021 8:21:16 PM	63366
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/19/2021 10:39:00 AM	63356
Surr: BFB	99.8	70-130		%Rec	1	10/19/2021 10:39:00 AM	63356
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	10/19/2021 10:39:00 AM	63356
Toluene	ND	0.049		mg/Kg	1	10/19/2021 10:39:00 AM	63356
Ethylbenzene	ND	0.049		mg/Kg	1	10/19/2021 10:39:00 AM	63356
Xylenes, Total	ND	0.099		mg/Kg	1	10/19/2021 10:39:00 AM	63356
Surr: 4-Bromofluorobenzene	85.8	70-130		%Rec	1	10/19/2021 10:39:00 AM	63356

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 1 of 12

## Analytical Report

Lab Order 2110766

Date Reported: 10/22/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: NWB4-26'

Project: Charolais 6"

Collection Date: 10/14/2021 8:38:00 AM

Lab ID: 2110766-002

Matrix: SOIL

Received Date: 10/16/2021 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	96	60		mg/Kg	20	10/19/2021 2:06:33 AM	63373
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	12	9.3		mg/Kg	1	10/20/2021 8:32:01 PM	63366
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/20/2021 8:32:01 PM	63366
Surr: DNOP	95.0	70-130		%Rec	1	10/20/2021 8:32:01 PM	63366
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/19/2021 10:59:00 AM	63356
Surr: BFB	100	70-130		%Rec	1	10/19/2021 10:59:00 AM	63356
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	10/19/2021 10:59:00 AM	63356
Toluene	ND	0.047		mg/Kg	1	10/19/2021 10:59:00 AM	63356
Ethylbenzene	ND	0.047		mg/Kg	1	10/19/2021 10:59:00 AM	63356
Xylenes, Total	ND	0.094		mg/Kg	1	10/19/2021 10:59:00 AM	63356
Surr: 4-Bromofluorobenzene	86.5	70-130		%Rec	1	10/19/2021 10:59:00 AM	63356

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2110766

Date Reported: 10/22/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: NEB8-26'

Project: Charolais 6"

Collection Date: 10/14/2021 8:45:00 AM

Lab ID: 2110766-003

Matrix: SOIL

Received Date: 10/16/2021 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	96	60		mg/Kg	20	10/19/2021 2:18:55 AM	63373
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	12	10		mg/Kg	1	10/20/2021 8:42:45 PM	63366
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/20/2021 8:42:45 PM	63366
Surr: DNOP	92.1	70-130		%Rec	1	10/20/2021 8:42:45 PM	63366
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/19/2021 11:18:00 AM	63356
Surr: BFB	102	70-130		%Rec	1	10/19/2021 11:18:00 AM	63356
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	10/19/2021 11:18:00 AM	63356
Toluene	ND	0.048		mg/Kg	1	10/19/2021 11:18:00 AM	63356
Ethylbenzene	ND	0.048		mg/Kg	1	10/19/2021 11:18:00 AM	63356
Xylenes, Total	ND	0.097		mg/Kg	1	10/19/2021 11:18:00 AM	63356
Surr: 4-Bromofluorobenzene	89.2	70-130		%Rec	1	10/19/2021 11:18:00 AM	63356

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2110766

Date Reported: 10/22/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: NEB7-26'

Project: Charolais 6"

Collection Date: 10/14/2021 8:47:00 AM

Lab ID: 2110766-004

Matrix: SOIL

Received Date: 10/16/2021 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	110	60		mg/Kg	20	10/19/2021 2:31:16 AM	63373
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	10	9.7		mg/Kg	1	10/20/2021 8:53:31 PM	63366
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/20/2021 8:53:31 PM	63366
Surr: DNOP	98.4	70-130		%Rec	1	10/20/2021 8:53:31 PM	63366
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/19/2021 11:38:00 AM	63356
Surr: BFB	108	70-130		%Rec	1	10/19/2021 11:38:00 AM	63356
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	10/19/2021 11:38:00 AM	63356
Toluene	ND	0.048		mg/Kg	1	10/19/2021 11:38:00 AM	63356
Ethylbenzene	ND	0.048		mg/Kg	1	10/19/2021 11:38:00 AM	63356
Xylenes, Total	ND	0.097		mg/Kg	1	10/19/2021 11:38:00 AM	63356
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	10/19/2021 11:38:00 AM	63356

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2110766

Date Reported: 10/22/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: NEB5-26'

Project: Charolais 6"

Collection Date: 10/14/2021 9:00:00 AM

Lab ID: 2110766-005

Matrix: SOIL

Received Date: 10/16/2021 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	86	60		mg/Kg	20	10/19/2021 2:43:37 AM	63373
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/19/2021 11:46:31 AM	63366
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/19/2021 11:46:31 AM	63366
Surr: DNOP	94.5	70-130		%Rec	1	10/19/2021 11:46:31 AM	63366
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/19/2021 11:58:00 AM	63356
Surr: BFB	102	70-130		%Rec	1	10/19/2021 11:58:00 AM	63356
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	10/19/2021 11:58:00 AM	63356
Toluene	ND	0.047		mg/Kg	1	10/19/2021 11:58:00 AM	63356
Ethylbenzene	ND	0.047		mg/Kg	1	10/19/2021 11:58:00 AM	63356
Xylenes, Total	ND	0.095		mg/Kg	1	10/19/2021 11:58:00 AM	63356
Surr: 4-Bromofluorobenzene	87.3	70-130		%Rec	1	10/19/2021 11:58:00 AM	63356

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 5 of 12

## Analytical Report

Lab Order 2110766

Date Reported: 10/22/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: NEB3-26'

Project: Charolais 6"

Collection Date: 10/14/2021 9:05:00 AM

Lab ID: 2110766-006

Matrix: SOIL

Received Date: 10/16/2021 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	100	60		mg/Kg	20	10/19/2021 3:20:40 AM	63373
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	190	9.2		mg/Kg	1	10/19/2021 12:26:37 PM	63366
Motor Oil Range Organics (MRO)	89	46		mg/Kg	1	10/19/2021 12:26:37 PM	63366
Surr: DNOP	87.3	70-130		%Rec	1	10/19/2021 12:26:37 PM	63366
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/19/2021 12:17:00 PM	63356
Surr: BFB	103	70-130		%Rec	1	10/19/2021 12:17:00 PM	63356
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	10/19/2021 12:17:00 PM	63356
Toluene	ND	0.050		mg/Kg	1	10/19/2021 12:17:00 PM	63356
Ethylbenzene	ND	0.050		mg/Kg	1	10/19/2021 12:17:00 PM	63356
Xylenes, Total	ND	0.099		mg/Kg	1	10/19/2021 12:17:00 PM	63356
Surr: 4-Bromofluorobenzene	90.6	70-130		%Rec	1	10/19/2021 12:17:00 PM	63356

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2110766

Date Reported: 10/22/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: NEB2-26'

Project: Charolais 6"

Collection Date: 10/14/2021 9:08:00 AM

Lab ID: 2110766-007

Matrix: SOIL

Received Date: 10/16/2021 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	140	60		mg/Kg	20	10/19/2021 7:40:46 AM	63384
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	65	9.7		mg/Kg	1	10/20/2021 9:04:17 PM	63366
Motor Oil Range Organics (MRO)	49	49		mg/Kg	1	10/20/2021 9:04:17 PM	63366
Surr: DNOP	101	70-130		%Rec	1	10/20/2021 9:04:17 PM	63366
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/19/2021 12:37:00 PM	63356
Surr: BFB	103	70-130		%Rec	1	10/19/2021 12:37:00 PM	63356
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/19/2021 12:37:00 PM	63356
Toluene	ND	0.047		mg/Kg	1	10/19/2021 12:37:00 PM	63356
Ethylbenzene	ND	0.047		mg/Kg	1	10/19/2021 12:37:00 PM	63356
Xylenes, Total	ND	0.095		mg/Kg	1	10/19/2021 12:37:00 PM	63356
Surr: 4-Bromofluorobenzene	88.1	70-130		%Rec	1	10/19/2021 12:37:00 PM	63356

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2110766

22-Oct-21

**Client:** Talon Artesia**Project:** Charolais 6"

Sample ID: <b>MB-63373</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63373</b>	RunNo: <b>82151</b>								
Prep Date: <b>10/18/2021</b>	Analysis Date: <b>10/18/2021</b>	SeqNo: <b>2910803</b>		Units: <b>mg/Kg</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63373</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63373</b>	RunNo: <b>82151</b>								
Prep Date: <b>10/18/2021</b>	Analysis Date: <b>10/18/2021</b>	SeqNo: <b>2910804</b>		Units: <b>mg/Kg</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.9	90	110			

Sample ID: <b>MB-63384</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63384</b>	RunNo: <b>82148</b>								
Prep Date: <b>10/19/2021</b>	Analysis Date: <b>10/19/2021</b>	SeqNo: <b>2911697</b>		Units: <b>mg/Kg</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63384</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63384</b>	RunNo: <b>82148</b>								
Prep Date: <b>10/19/2021</b>	Analysis Date: <b>10/19/2021</b>	SeqNo: <b>2911698</b>		Units: <b>mg/Kg</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.8	90	110			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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## QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2110766

22-Oct-21

Client: Talon Artesia

Project: Charolais 6"

Sample ID: <b>MB-63366</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63366</b>	RunNo: <b>82153</b>								
Prep Date: <b>10/18/2021</b>	Analysis Date: <b>10/19/2021</b>	SeqNo: <b>2910930</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		109	70	130			

Sample ID: <b>MB-63425</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63425</b>	RunNo: <b>82185</b>								
Prep Date: <b>10/20/2021</b>	Analysis Date: <b>10/20/2021</b>	SeqNo: <b>2913065</b> Units: <b>%Rec</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.5		10.00		94.7	70	130			

Sample ID: <b>LCS-63425</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63425</b>	RunNo: <b>82185</b>								
Prep Date: <b>10/20/2021</b>	Analysis Date: <b>10/20/2021</b>	SeqNo: <b>2913066</b> Units: <b>%Rec</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		93.7	70	130			

Sample ID: <b>2110766-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BC3-26'</b>	Batch ID: <b>63366</b>	RunNo: <b>82184</b>								
Prep Date: <b>10/18/2021</b>	Analysis Date: <b>10/20/2021</b>	SeqNo: <b>2914706</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	79	9.8	49.12	70.64	17.9	39.3	155			S
Surr: DNOP	5.0		4.912		102	70	130			

Sample ID: <b>2110766-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BC3-26'</b>	Batch ID: <b>63366</b>	RunNo: <b>82184</b>								
Prep Date: <b>10/18/2021</b>	Analysis Date: <b>10/20/2021</b>	SeqNo: <b>2914707</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	130	9.8	49.07	70.64	121	39.3	155	46.0	23.4	R
Surr: DNOP	4.8		4.907		98.4	70	130	0	0	

Sample ID: <b>LCS-63366</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63366</b>	RunNo: <b>82184</b>								
Prep Date: <b>10/18/2021</b>	Analysis Date: <b>10/20/2021</b>	SeqNo: <b>2914776</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.9	68.9	135			

## Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2110766

22-Oct-21

**Client:** Talon Artesia**Project:** Charolais 6"

Sample ID: <b>LCS-63366</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>63366</b>		RunNo: <b>82184</b>							
Prep Date: <b>10/18/2021</b>	Analysis Date: <b>10/20/2021</b>		SeqNo: <b>2914776</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.0		5.000		100	70	130			

Sample ID: <b>LCS-63449</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>63449</b>		RunNo: <b>82184</b>							
Prep Date: <b>10/20/2021</b>	Analysis Date: <b>10/21/2021</b>		SeqNo: <b>2916079</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.3		5.000		106	70	130			

Sample ID: <b>MB-63449</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>63449</b>		RunNo: <b>82184</b>							
Prep Date: <b>10/20/2021</b>	Analysis Date: <b>10/21/2021</b>		SeqNo: <b>2916080</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		103	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2110766

22-Oct-21

**Client:** Talon Artesia**Project:** Charolais 6"

Sample ID: <b>mb-63356</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63356</b>	RunNo: <b>82158</b>								
Prep Date: <b>10/18/2021</b>	Analysis Date: <b>10/19/2021</b>	SeqNo: <b>2910913</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		98.8	70	130			

Sample ID: <b>lcs-63356</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63356</b>	RunNo: <b>82158</b>								
Prep Date: <b>10/18/2021</b>	Analysis Date: <b>10/19/2021</b>	SeqNo: <b>2911927</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	118	78.6	131			
Surr: BFB	1200		1000		117	70	130			

Sample ID: <b>2110766-001ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>BC3-26'</b>	Batch ID: <b>63356</b>	RunNo: <b>82158</b>								
Prep Date: <b>10/18/2021</b>	Analysis Date: <b>10/19/2021</b>	SeqNo: <b>2911929</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	36	5.0	24.75	0	146	61.3	114			S
Surr: BFB	1200		990.1		123	70	130			

Sample ID: <b>2110766-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>BC3-26'</b>	Batch ID: <b>63356</b>	RunNo: <b>82158</b>								
Prep Date: <b>10/18/2021</b>	Analysis Date: <b>10/19/2021</b>	SeqNo: <b>2911931</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	34	4.8	23.90	0	141	61.3	114	7.04	20	S
Surr: BFB	1100		956.0		120	70	130	0	0	

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2110766

22-Oct-21

**Client:** Talon Artesia**Project:** Charolais 6"

Sample ID: <b>mb-63356</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63356</b>	RunNo: <b>82158</b>								
Prep Date: <b>10/18/2021</b>	Analysis Date: <b>10/19/2021</b>	SeqNo: <b>2910914</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.86		1.000		86.3	70	130			

Sample ID: <b>lcs-63356</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63356</b>	RunNo: <b>82158</b>								
Prep Date: <b>10/18/2021</b>	Analysis Date: <b>10/19/2021</b>	SeqNo: <b>2911967</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.5	80	120			
Toluene	0.90	0.050	1.000	0	90.3	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.3	80	120			
Surr: 4-Bromofluorobenzene	0.86		1.000		86.5	70	130			

Sample ID: <b>2110766-002ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>NWB4-26'</b>	Batch ID: <b>63356</b>	RunNo: <b>82158</b>								
Prep Date: <b>10/18/2021</b>	Analysis Date: <b>10/19/2021</b>	SeqNo: <b>2911969</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.024	0.9542	0	95.8	80	120			
Toluene	0.97	0.048	0.9542	0	101	80	120			
Ethylbenzene	0.98	0.048	0.9542	0	103	80	120			
Xylenes, Total	3.1	0.095	2.863	0	107	80	120			
Surr: 4-Bromofluorobenzene	0.86		0.9542		89.9	70	130			

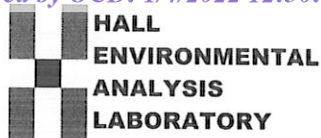
Sample ID: <b>2110766-002amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>NWB4-26'</b>	Batch ID: <b>63356</b>	RunNo: <b>82158</b>								
Prep Date: <b>10/18/2021</b>	Analysis Date: <b>10/19/2021</b>	SeqNo: <b>2911971</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.024	0.9470	0	96.3	80	120	0.242	20	
Toluene	0.99	0.047	0.9470	0	104	80	120	2.43	20	
Ethylbenzene	0.99	0.047	0.9470	0	104	80	120	0.282	20	
Xylenes, Total	3.0	0.095	2.841	0	106	80	120	1.23	20	
Surr: 4-Bromofluorobenzene	0.81		0.9470		85.7	70	130	0	0	

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

## Sample Log-In Check List

Client Name: **Talon Artesia**Work Order Number: **2110766**RcptNo: **1**Received By: **Cheyenne Cason** 10/16/2021 7:50:00 AMCompleted By: **Cheyenne Cason** 10/16/2021 8:21:38 AMReviewed By: **SO** 10/18/21*Chad**Chad*

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

( $<2$  or  $>12$  unless noted)

Adjusted? \_\_\_\_\_

Checked by: *Chad* 10/18/21

### Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.6	Good				
2	0.8	Good				



## Chain-of-Custody Record

Client: Talon LPE

408 W Texas St

Mailing Address: Artesia, NM 88210

Phone #: 575-441-0980

email or Fax#: (575) 746-8905

QA/QC Package:

☐ Standard☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Turn-Around Time: 10-19-21

☐ Standard ☒ Rush 4day

Project Name:

Charolais 6"

Project #:

702958.003.01

Project Manager:

Rebecca Pons

Sampler: R Pons

On Ice: ☒ Yes ☐ No

# of Coolers: 2 2.6-0-2.6

Cooler Temp (including CFI): 0.8-0-0.8

Container Type and #

Jar Ice

Preservative Type

HEAL No.

2110766

001

002

003

004

005

006

007

Date Time Matrix Sample Name

10/14/21 8:35 BC3-26'

8:38 NWB4-26'

8:45 NEB8-26'

8:47 NEB7-26'

9:00 NEB5-26'

9:05 NEB3-26'

9:08 NEB2-26'

Date: Time: Relinquished by:

10/14/21

Date: Time: Relinquished by:

10/15/21 1900

Received by:

Via:

Date Time

10/15/21 1750

Received by:

Via:

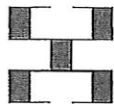
Date Time

10/15/21 0750

Remarks: Please cc the following via email:

Rpons@talonlpe.com

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



# HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

## Analysis Request

BTEX / MTBE / TMB's (8021)

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)





Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [clients.hallenvironmental.com](http://clients.hallenvironmental.com)

October 26, 2021

Rebecca Pons  
Talon Artesia  
408 West Texas Ave  
Artesia, NM 88210  
TEL: (575) 441-0980  
FAX

RE: Chorolais 6 Inch

OrderNo.: 2110984

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/21/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2110984

Date Reported: 10/26/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: NEB3-26.5'

Project: Chorolais 6 Inch

Collection Date: 10/15/2021 8:30:00 AM

Lab ID: 2110984-001

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	140	60		mg/Kg	20	10/23/2021 6:09:26 AM	63501
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	46	9.5		mg/Kg	1	10/23/2021 4:18:20 AM	63486
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/23/2021 4:18:20 AM	63486
Surr: DNOP	103	70-130		%Rec	1	10/23/2021 4:18:20 AM	63486
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/22/2021 10:03:45 PM	63473
Surr: BFB	109	70-130		%Rec	1	10/22/2021 10:03:45 PM	63473
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	10/22/2021 10:03:45 PM	63473
Toluene	ND	0.046		mg/Kg	1	10/22/2021 10:03:45 PM	63473
Ethylbenzene	ND	0.046		mg/Kg	1	10/22/2021 10:03:45 PM	63473
Xylenes, Total	ND	0.091		mg/Kg	1	10/22/2021 10:03:45 PM	63473
Surr: 4-Bromofluorobenzene	83.8	70-130		%Rec	1	10/22/2021 10:03:45 PM	63473

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2110984

26-Oct-21

**Client:** Talon Artesia  
**Project:** Chorolais 6 Inch

Sample ID: <b>MB-63501</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63501</b>	RunNo: <b>82259</b>								
Prep Date: <b>10/22/2021</b>	Analysis Date: <b>10/23/2021</b>	SeqNo: <b>2917940</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63501</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63501</b>	RunNo: <b>82259</b>								
Prep Date: <b>10/22/2021</b>	Analysis Date: <b>10/23/2021</b>	SeqNo: <b>2917941</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.7	90	110			

### Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

Page 2 of 5

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2110984

26-Oct-21

**Client:** Talon Artesia  
**Project:** Chorolais 6 Inch

Sample ID: <b>LCS-63462</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>63462</b>			RunNo: <b>82270</b>						
Prep Date: <b>10/21/2021</b>	Analysis Date: <b>10/22/2021</b>			SeqNo: <b>2916719</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.4		5.000		127	70	130			

Sample ID: <b>MB-63462</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>63462</b>			RunNo: <b>82270</b>						
Prep Date: <b>10/21/2021</b>	Analysis Date: <b>10/22/2021</b>			SeqNo: <b>2916721</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		123	70	130			

Sample ID: <b>LCS-63486</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>63486</b>			RunNo: <b>82270</b>						
Prep Date: <b>10/22/2021</b>	Analysis Date: <b>10/23/2021</b>			SeqNo: <b>2917007</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	87.0	68.9	135			
Surr: DNOP	4.0		5.000		79.8	70	130			

Sample ID: <b>MB-63486</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>63486</b>			RunNo: <b>82270</b>						
Prep Date: <b>10/22/2021</b>	Analysis Date: <b>10/23/2021</b>			SeqNo: <b>2917009</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.4		10.00		83.9	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2110984

26-Oct-21

**Client:** Talon Artesia  
**Project:** Chorolais 6 Inch

Sample ID: <b>mb-63473</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63473</b>	RunNo: <b>82288</b>								
Prep Date: <b>10/21/2021</b>	Analysis Date: <b>10/22/2021</b>	SeqNo: <b>2917356</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		105	70	130			

Sample ID: <b>lcs-63473</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63473</b>	RunNo: <b>82288</b>								
Prep Date: <b>10/21/2021</b>	Analysis Date: <b>10/22/2021</b>	SeqNo: <b>2917357</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	114	78.6	131			
Surr: BFB	1200		1000		115	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit



**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2110984

26-Oct-21

**Client:** Talon Artesia  
**Project:** Chorolais 6 Inch

Sample ID: <b>mb-63473</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63473</b>	RunNo: <b>82288</b>								
Prep Date: <b>10/21/2021</b>	Analysis Date: <b>10/22/2021</b>	SeqNo: <b>2917435</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.87		1.000		87.3	70	130			

Sample ID: <b>LCS-63473</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63473</b>	RunNo: <b>82288</b>								
Prep Date: <b>10/21/2021</b>	Analysis Date: <b>10/22/2021</b>	SeqNo: <b>2917436</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	98.3	80	120			
Toluene	0.99	0.050	1.000	0	99.2	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.6	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		90.5	70	130			

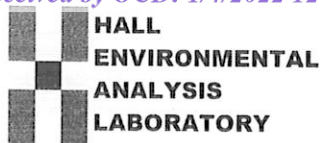
Sample ID: <b>2110984-001ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>NEB3-26.5'</b>	Batch ID: <b>63473</b>	RunNo: <b>82288</b>								
Prep Date: <b>10/21/2021</b>	Analysis Date: <b>10/22/2021</b>	SeqNo: <b>2917438</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.023	0.9259	0	103	80	120			
Toluene	0.98	0.046	0.9259	0	106	80	120			
Ethylbenzene	0.98	0.046	0.9259	0.009881	104	80	120			
Xylenes, Total	2.9	0.093	2.778	0.03156	102	80	120			
Surr: 4-Bromofluorobenzene	0.81		0.9259		87.3	70	130			

Sample ID: <b>2110984-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>NEB3-26.5'</b>	Batch ID: <b>63473</b>	RunNo: <b>82288</b>								
Prep Date: <b>10/21/2021</b>	Analysis Date: <b>10/22/2021</b>	SeqNo: <b>2917439</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9470	0	110	80	120	8.91	20	
Toluene	1.1	0.047	0.9470	0	112	80	120	7.72	20	
Ethylbenzene	1.1	0.047	0.9470	0.009881	112	80	120	9.03	20	
Xylenes, Total	3.1	0.095	2.841	0.03156	110	80	120	9.51	20	
Surr: 4-Bromofluorobenzene	0.83		0.9470		87.2	70	130	0	0	

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

## Sample Log-In Check List

Client Name: **Talon Artesia**Work Order Number: **2110984**

RcptNo: 1

Received By: **Cheyenne Cason**

10/21/2021 7:05:00 AM

Completed By: **Desiree Dominguez**

10/21/2021 8:35:13 AM

Reviewed By: **TMC**

10/21/21 9:43

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: **KPA 10/21/21**

### Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

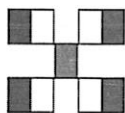
16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.0	Good				

[illegible]

necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



**HALL ENVIRONMENTAL  
ANALYSIS LABORATORY**

[www.hallenvironmental.com](http://www.hallenvironmental.com)

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

## Analysis Request

[illegible]

Remarks: Email: Rpons @ Talon-HP.com

Date: 10/10/00	Time: 1900	Relinquished by: [Signature]	Received by: [Signature]	Via: 10/10/00	Date: 10/10/00	Time: 1900
Date: 10/10/00	Time: 1900	Relinquished by: [Signature]	Received by: [Signature]	Via: 10/10/00	Date: 10/10/00	Time: 1900





## Environment Testing America

### ANALYTICAL REPORT

Eurofins Xenco, Carlsbad  
1089 N Canal St.  
Carlsbad, NM 88220  
Tel: (575)988-3199

Laboratory Job ID: 890-1303-1  
Laboratory Sample Delivery Group: Lea County  
Client Project/Site: Charolais 6"

For:  
Talon/LPE  
408 W. Texas St.  
Artesia, New Mexico 88210

Attn: Rebecca Pong

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:  
9/30/2021 8:49:16 PM

Jessica Kramer, Project Manager  
(432)704-5440  
[jessica.kramer@eurofinset.com](mailto:jessica.kramer@eurofinset.com)

#### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

Client: Talon/LPE  
Project/Site: Charolais 6"

Laboratory Job ID: 890-1303-1  
SDG: Lea County

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## Definitions/Glossary

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
N1	MS, MSD: Spike recovery exceeds upper or lower control limits.
N2	RPD of the MS and MSD exceeds the control limits
U	Analyte was not detected at or above the SDL.
X	Surrogate recovery exceeds control limits

## GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.
X	Surrogate recovery exceeds control limits

## HPLC/IC

Qualifier	Qualifier Description
N1	MS, MSD: Spike recovery exceeds upper or lower control limits.
U	Analyte was not detected at or above the SDL.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Eurofins Xenco, Carlsbad

## Case Narrative

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

**Job ID: 890-1303-1****Laboratory: Eurofins Xenco, Carlsbad****Narrative****Job Narrative  
890-1303-1****Receipt**

The samples were received on 9/23/2021 1:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C

**GC VOA**

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-8504 and analytical batch 880-8506 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: B-1 (890-1303-1), B-1 (890-1303-2), B-1 (890-1303-3), B-1 (890-1303-6), B-1 (890-1303-8), B-2 (890-1303-9), B-2 (890-1303-10), B-2 (890-1303-11), B-2 (890-1303-12), B-2 (890-1303-13) and (890-1300-A-1-F). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-8507 and analytical batch 880-8502 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (890-1303-A-14-D MSD). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## Client Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

Client Sample ID: B-1

Lab Sample ID: 890-1303-1

Date Collected: 09/22/21 10:20

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 8

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0759		0.00199	0.000383	mg/Kg		09/28/21 09:54	09/28/21 16:20	1
Toluene	3.01		0.199	0.0454	mg/Kg		09/28/21 13:08	09/29/21 15:48	100
Ethylbenzene	5.59		0.199	0.0563	mg/Kg		09/28/21 13:08	09/29/21 15:48	100
m-Xylene & p-Xylene	4.08		0.398	0.101	mg/Kg		09/28/21 13:08	09/29/21 15:48	100
o-Xylene	2.33		0.199	0.0343	mg/Kg		09/28/21 13:08	09/29/21 15:48	100
Xylenes, Total	6.41		0.398	0.101	mg/Kg		09/28/21 13:08	09/29/21 15:48	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	445	X	70 - 130	09/28/21 09:54	09/28/21 16:20	1
1,4-Difluorobenzene (Surr)	98		70 - 130	09/28/21 09:54	09/28/21 16:20	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	15.1		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1840		50.0	15.0	mg/Kg			09/30/21 12:51	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	206		49.9	15.0	mg/Kg		09/27/21 08:53	09/27/21 15:01	1
Diesel Range Organics (Over C10-C28)	1630		49.9	15.0	mg/Kg		09/27/21 08:53	09/27/21 15:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		09/27/21 08:53	09/27/21 15:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	X	70 - 130	09/27/21 08:53	09/27/21 15:01	1
o-Terphenyl	117		70 - 130	09/27/21 08:53	09/27/21 15:01	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	373		5.00	0.858	mg/Kg			09/27/21 20:32	1

Client Sample ID: B-1

Lab Sample ID: 890-1303-2

Date Collected: 09/22/21 10:27

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 10

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00185	J	0.00200	0.000385	mg/Kg		09/28/21 09:54	09/28/21 16:40	1
Toluene	0.156		0.00200	0.000456	mg/Kg		09/28/21 09:54	09/28/21 16:40	1
Ethylbenzene	2.54		0.100	0.0283	mg/Kg		09/28/21 13:08	09/29/21 16:09	50
m-Xylene & p-Xylene	0.371		0.00400	0.00101	mg/Kg		09/28/21 09:54	09/28/21 16:40	1
o-Xylene	0.219		0.00200	0.000344	mg/Kg		09/28/21 09:54	09/28/21 16:40	1
Xylenes, Total	0.590		0.00400	0.00101	mg/Kg		09/28/21 09:54	09/28/21 16:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	260	X	70 - 130	09/28/21 09:54	09/28/21 16:40	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Client Sample ID: B-1

## Lab Sample ID: 890-1303-2

Date Collected: 09/22/21 10:27

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 10

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	79		70 - 130	09/28/21 09:54	09/28/21 16:40	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	3.29		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	880		50.0	15.0	mg/Kg			09/30/21 12:51	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	49.4	J	49.8	14.9	mg/Kg		09/27/21 08:53	09/27/21 15:23	1
Diesel Range Organics (Over C10-C28)	831		49.8	14.9	mg/Kg		09/27/21 08:53	09/27/21 15:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		09/27/21 08:53	09/27/21 15:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	X	70 - 130				09/27/21 08:53	09/27/21 15:23	1
o-Terphenyl	130		70 - 130				09/27/21 08:53	09/27/21 15:23	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	324		4.95	0.850	mg/Kg			09/27/21 20:38	1

## Client Sample ID: B-1

## Lab Sample ID: 890-1303-3

Date Collected: 09/22/21 10:40

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 12 - 13

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000519	J	0.00201	0.000387	mg/Kg		09/28/21 09:54	09/28/21 17:01	1
Toluene	0.0334		0.00201	0.000459	mg/Kg		09/28/21 09:54	09/28/21 17:01	1
Ethylbenzene	0.133		0.00201	0.000568	mg/Kg		09/28/21 09:54	09/28/21 17:01	1
m-Xylene & p-Xylene	0.119		0.00402	0.00102	mg/Kg		09/28/21 09:54	09/28/21 17:01	1
o-Xylene	0.0826		0.00201	0.000346	mg/Kg		09/28/21 09:54	09/28/21 17:01	1
Xylenes, Total	0.202		0.00402	0.00102	mg/Kg		09/28/21 09:54	09/28/21 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	X	70 - 130	09/28/21 09:54	09/28/21 17:01	1
1,4-Difluorobenzene (Surr)	81		70 - 130	09/28/21 09:54	09/28/21 17:01	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.369		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	425		50.0	15.0	mg/Kg			09/30/21 12:51	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Client Sample ID: B-1

## Lab Sample ID: 890-1303-3

Date Collected: 09/22/21 10:40

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 12 - 13

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	43.3	J	50.0	15.0	mg/Kg		09/27/21 09:17	09/27/21 19:54	1
Diesel Range Organics (Over C10-C28)	382		50.0	15.0	mg/Kg		09/27/21 09:17	09/27/21 19:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		09/27/21 09:17	09/27/21 19:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				09/27/21 09:17	09/27/21 19:54	1
o-Terphenyl	104		70 - 130				09/27/21 09:17	09/27/21 19:54	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	128		5.04	0.865	mg/Kg			09/27/21 20:57	1

## Client Sample ID: B-1

## Lab Sample ID: 890-1303-4

Date Collected: 09/22/21 10:42

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 14 - 15

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000657	J	0.00198	0.000382	mg/Kg		09/28/21 09:54	09/28/21 18:23	1
Toluene	0.0155		0.00198	0.000452	mg/Kg		09/28/21 09:54	09/28/21 18:23	1
Ethylbenzene	0.0584		0.00198	0.000561	mg/Kg		09/28/21 09:54	09/28/21 18:23	1
m-Xylene & p-Xylene	0.0557		0.00397	0.00100	mg/Kg		09/28/21 09:54	09/28/21 18:23	1
o-Xylene	0.0328		0.00198	0.000341	mg/Kg		09/28/21 09:54	09/28/21 18:23	1
Xylenes, Total	0.0885		0.00397	0.00100	mg/Kg		09/28/21 09:54	09/28/21 18:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				09/28/21 09:54	09/28/21 18:23	1
1,4-Difluorobenzene (Surr)	82		70 - 130				09/28/21 09:54	09/28/21 18:23	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.163		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	202		50.0	15.0	mg/Kg			09/30/21 12:51	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	30.2	J	49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 02:27	1
Diesel Range Organics (Over C10-C28)	172		49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 02:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 02:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				09/24/21 16:32	09/26/21 02:27	1
o-Terphenyl	125		70 - 130				09/24/21 16:32	09/26/21 02:27	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Client Sample ID: B-1

Lab Sample ID: 890-1303-4

Date Collected: 09/22/21 10:42

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 14 - 15

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	198		5.01	0.860	mg/Kg			09/27/21 21:03	1

## Client Sample ID: B-1

Lab Sample ID: 890-1303-5

Date Collected: 09/22/21 10:55

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 16 - 17

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00422		0.00199	0.000383	mg/Kg		09/28/21 09:54	09/28/21 18:44	1
Toluene	0.0124		0.00199	0.000454	mg/Kg		09/28/21 09:54	09/28/21 18:44	1
Ethylbenzene	0.0128		0.00199	0.000563	mg/Kg		09/28/21 09:54	09/28/21 18:44	1
m-Xylene & p-Xylene	0.0116		0.00398	0.00101	mg/Kg		09/28/21 09:54	09/28/21 18:44	1
o-Xylene	0.00811		0.00199	0.000343	mg/Kg		09/28/21 09:54	09/28/21 18:44	1
Xylenes, Total	0.0197		0.00398	0.00101	mg/Kg		09/28/21 09:54	09/28/21 18:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				09/28/21 09:54	09/28/21 18:44	1
1,4-Difluorobenzene (Surr)	80		70 - 130				09/28/21 09:54	09/28/21 18:44	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0491		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	19.6	J	50.0	15.0	mg/Kg			09/30/21 12:51	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 02:48	1
Diesel Range Organics (Over C10-C28)	19.6	J	50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 02:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 02:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				09/24/21 16:32	09/26/21 02:48	1
o-Terphenyl	132	X	70 - 130				09/24/21 16:32	09/26/21 02:48	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		4.98	0.855	mg/Kg			09/27/21 21:22	1

Eurofins Xenco, Carlsbad

## Client Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

Client Sample ID: B-1

Lab Sample ID: 890-1303-6

Date Collected: 09/22/21 11:00

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 18

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00118	J	0.00199	0.000383	mg/Kg		09/28/21 09:54	09/28/21 19:04	1
Toluene	0.00551		0.00199	0.000454	mg/Kg		09/28/21 09:54	09/28/21 19:04	1
Ethylbenzene	0.00558		0.00199	0.000563	mg/Kg		09/28/21 09:54	09/28/21 19:04	1
m-Xylene & p-Xylene	0.00557		0.00398	0.00101	mg/Kg		09/28/21 09:54	09/28/21 19:04	1
o-Xylene	0.00450		0.00199	0.000343	mg/Kg		09/28/21 09:54	09/28/21 19:04	1
Xylenes, Total	0.0101		0.00398	0.00101	mg/Kg		09/28/21 09:54	09/28/21 19:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	X	70 - 130	09/28/21 09:54	09/28/21 19:04	1
1,4-Difluorobenzene (Surr)	77		70 - 130	09/28/21 09:54	09/28/21 19:04	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0223		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			09/30/21 12:51	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		09/24/21 16:32	09/26/21 03:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		09/24/21 16:32	09/26/21 03:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		09/24/21 16:32	09/26/21 03:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	09/24/21 16:32	09/26/21 03:30	1
o-Terphenyl	126		70 - 130	09/24/21 16:32	09/26/21 03:30	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		4.97	0.853	mg/Kg			09/27/21 21:28	1

Client Sample ID: B-1

Lab Sample ID: 890-1303-7

Date Collected: 09/22/21 11:20

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 21 - 22

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00212		0.00199	0.000383	mg/Kg		09/28/21 09:54	09/28/21 19:25	1
Toluene	0.00509		0.00199	0.000454	mg/Kg		09/28/21 09:54	09/28/21 19:25	1
Ethylbenzene	0.00335		0.00199	0.000563	mg/Kg		09/28/21 09:54	09/28/21 19:25	1
m-Xylene & p-Xylene	0.00346	J	0.00398	0.00101	mg/Kg		09/28/21 09:54	09/28/21 19:25	1
o-Xylene	0.00296		0.00199	0.000343	mg/Kg		09/28/21 09:54	09/28/21 19:25	1
Xylenes, Total	0.00642		0.00398	0.00101	mg/Kg		09/28/21 09:54	09/28/21 19:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	09/28/21 09:54	09/28/21 19:25	1

Eurofins Xenco, Carlsbad

## Client Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

Client Sample ID: B-1

Lab Sample ID: 890-1303-7

Date Collected: 09/22/21 11:20

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 21 - 22

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	80		70 - 130	09/28/21 09:54	09/28/21 19:25	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0170		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			09/30/21 12:51	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		09/24/21 16:32	09/26/21 03:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		09/24/21 16:32	09/26/21 03:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		09/24/21 16:32	09/26/21 03:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				09/24/21 16:32	09/26/21 03:51	1
o-Terphenyl	123		70 - 130				09/24/21 16:32	09/26/21 03:51	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.7		4.95	0.850	mg/Kg			09/27/21 21:34	1

Client Sample ID: B-1

Lab Sample ID: 890-1303-8

Date Collected: 09/22/21 11:30

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 25 - 26

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg		09/28/21 09:54	09/28/21 19:45	1
Toluene	0.000939	J	0.00202	0.000461	mg/Kg		09/28/21 09:54	09/28/21 19:45	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		09/28/21 09:54	09/28/21 19:45	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		09/28/21 09:54	09/28/21 19:45	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		09/28/21 09:54	09/28/21 19:45	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg		09/28/21 09:54	09/28/21 19:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	X	70 - 130	09/28/21 09:54	09/28/21 19:45	1
1,4-Difluorobenzene (Surr)	79		70 - 130	09/28/21 09:54	09/28/21 19:45	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.00100	mg/Kg			09/30/21 19:38	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15.7	J	50.0	15.0	mg/Kg			09/30/21 12:51	1

Eurofins Xenco, Carlsbad

## Client Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Client Sample ID: B-1

## Lab Sample ID: 890-1303-8

Date Collected: 09/22/21 11:30

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 25 - 26

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.7	J	49.9	15.0	mg/Kg		09/24/21 16:32	09/26/21 04:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		09/24/21 16:32	09/26/21 04:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		09/24/21 16:32	09/26/21 04:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				09/24/21 16:32	09/26/21 04:12	1
o-Terphenyl	120		70 - 130				09/24/21 16:32	09/26/21 04:12	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.4		5.05	0.867	mg/Kg			09/28/21 11:26	1

## Client Sample ID: B-2

## Lab Sample ID: 890-1303-9

Date Collected: 09/22/21 13:15

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 8

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.157		0.00199	0.000383	mg/Kg		09/28/21 09:54	09/28/21 20:06	1
Toluene	1.32		0.200	0.0456	mg/Kg		09/29/21 09:00	09/29/21 19:47	100
Ethylbenzene	2.56		0.200	0.0565	mg/Kg		09/29/21 09:00	09/29/21 19:47	100
m-Xylene & p-Xylene	1.99		0.400	0.101	mg/Kg		09/29/21 09:00	09/29/21 19:47	100
o-Xylene	0.931		0.200	0.0344	mg/Kg		09/29/21 09:00	09/29/21 19:47	100
Xylenes, Total	2.92		0.400	0.101	mg/Kg		09/29/21 09:00	09/29/21 19:47	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	351	X	70 - 130				09/28/21 09:54	09/28/21 20:06	1
1,4-Difluorobenzene (Surr)	99		70 - 130				09/28/21 09:54	09/28/21 20:06	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	6.96		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	364		50.0	15.0	mg/Kg			09/30/21 12:51	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	86.3		49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 04:33	1
Diesel Range Organics (Over C10-C28)	278		49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 04:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 04:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				09/24/21 16:32	09/26/21 04:33	1
o-Terphenyl	123		70 - 130				09/24/21 16:32	09/26/21 04:33	1

Eurofins Xenco, Carlsbad

## Client Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Client Sample ID: B-2

Lab Sample ID: 890-1303-9

Date Collected: 09/22/21 13:15

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 8

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.9		4.98	0.855	mg/Kg			09/27/21 21:46	1

## Client Sample ID: B-2

Lab Sample ID: 890-1303-10

Date Collected: 09/22/21 13:25

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 10

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00407		0.00200	0.000386	mg/Kg		09/28/21 09:54	09/28/21 20:26	1
Toluene	0.0496		0.00200	0.000457	mg/Kg		09/28/21 09:54	09/28/21 20:26	1
Ethylbenzene	0.159		0.00200	0.000566	mg/Kg		09/28/21 09:54	09/28/21 20:26	1
m-Xylene & p-Xylene	0.133		0.00401	0.00101	mg/Kg		09/28/21 09:54	09/28/21 20:26	1
o-Xylene	0.0852		0.00200	0.000345	mg/Kg		09/28/21 09:54	09/28/21 20:26	1
Xylenes, Total	0.218		0.00401	0.00101	mg/Kg		09/28/21 09:54	09/28/21 20:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	163	X	70 - 130				09/28/21 09:54	09/28/21 20:26	1
1,4-Difluorobenzene (Surr)	86		70 - 130				09/28/21 09:54	09/28/21 20:26	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.431		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	280		50.0	15.0	mg/Kg			09/30/21 12:51	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	38.5	J	50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 04:54	1
Diesel Range Organics (Over C10-C28)	241		50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 04:54	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 04:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				09/24/21 16:32	09/26/21 04:54	1
o-Terphenyl	122		70 - 130				09/24/21 16:32	09/26/21 04:54	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	446		5.04	0.865	mg/Kg			09/27/21 21:52	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

Client Sample ID: B-2

Lab Sample ID: 890-1303-11

Date Collected: 09/22/21 13:30

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 12 - 13

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000966	J	0.00200	0.000384	mg/Kg		09/28/21 09:54	09/28/21 20:47	1
Toluene	0.00724		0.00200	0.000455	mg/Kg		09/28/21 09:54	09/28/21 20:47	1
Ethylbenzene	0.00538		0.00200	0.000564	mg/Kg		09/28/21 09:54	09/28/21 20:47	1
m-Xylene & p-Xylene	0.00510		0.00399	0.00101	mg/Kg		09/28/21 09:54	09/28/21 20:47	1
o-Xylene	0.00277		0.00200	0.000343	mg/Kg		09/28/21 09:54	09/28/21 20:47	1
Xylenes, Total	0.00787		0.00399	0.00101	mg/Kg		09/28/21 09:54	09/28/21 20:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	X	70 - 130	09/28/21 09:54	09/28/21 20:47	1
1,4-Difluorobenzene (Surr)	82		70 - 130	09/28/21 09:54	09/28/21 20:47	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0215		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	24.4	J	50.0	15.0	mg/Kg			09/30/21 12:51	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 05:16	1
Diesel Range Organics (Over C10-C28)	24.4	J	50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 05:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 05:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	09/24/21 16:32	09/26/21 05:16	1
o-Terphenyl	121		70 - 130	09/24/21 16:32	09/26/21 05:16	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	558		4.98	0.855	mg/Kg			09/27/21 21:59	1

Client Sample ID: B-2

Lab Sample ID: 890-1303-12

Date Collected: 09/22/21 13:35

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 14 - 15

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0996		0.00198	0.000381	mg/Kg		09/28/21 09:54	09/28/21 21:07	1
Toluene	1.82		0.201	0.0459	mg/Kg		09/29/21 09:00	09/29/21 20:07	100
Ethylbenzene	4.18		0.201	0.0568	mg/Kg		09/29/21 09:00	09/29/21 20:07	100
m-Xylene & p-Xylene	3.14		0.402	0.102	mg/Kg		09/29/21 09:00	09/29/21 20:07	100
o-Xylene	1.63		0.201	0.0346	mg/Kg		09/29/21 09:00	09/29/21 20:07	100
Xylenes, Total	4.77		0.402	0.102	mg/Kg		09/29/21 09:00	09/29/21 20:07	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	520	X	70 - 130	09/28/21 09:54	09/28/21 21:07	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

Client Sample ID: B-2

Lab Sample ID: 890-1303-12

Date Collected: 09/22/21 13:35

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 14 - 15

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	110		70 - 130	09/28/21 09:54	09/28/21 21:07	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	10.9		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1160		50.0	15.0	mg/Kg			09/30/21 12:51	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	237		49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 05:36	1
Diesel Range Organics (Over C10-C28)	918		49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 05:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 05:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				09/24/21 16:32	09/26/21 05:36	1
o-Terphenyl	122		70 - 130				09/24/21 16:32	09/26/21 05:36	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	157		4.96	0.851	mg/Kg			09/29/21 21:24	1

Client Sample ID: B-2

Lab Sample ID: 890-1303-13

Date Collected: 09/22/21 13:40

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 16 - 17

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0441		0.00199	0.000383	mg/Kg		09/28/21 09:54	09/28/21 21:28	1
Toluene	1.69		0.201	0.0458	mg/Kg		09/29/21 09:00	09/29/21 20:28	100
Ethylbenzene	3.99		0.201	0.0567	mg/Kg		09/29/21 09:00	09/29/21 20:28	100
m-Xylene & p-Xylene	3.19		0.402	0.101	mg/Kg		09/29/21 09:00	09/29/21 20:28	100
o-Xylene	1.87		0.201	0.0345	mg/Kg		09/29/21 09:00	09/29/21 20:28	100
Xylenes, Total	5.06		0.402	0.101	mg/Kg		09/29/21 09:00	09/29/21 20:28	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	607	X	70 - 130	09/28/21 09:54	09/28/21 21:28	1
1,4-Difluorobenzene (Surr)	79		70 - 130	09/28/21 09:54	09/28/21 21:28	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	10.8		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	898		50.0	15.0	mg/Kg			09/30/21 12:51	1

Eurofins Xenco, Carlsbad

## Client Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Client Sample ID: B-2

Lab Sample ID: 890-1303-13

Date Collected: 09/22/21 13:40

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 16 - 17

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	146		50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 05:57	1
Diesel Range Organics (Over C10-C28)	752		50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 05:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 05:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				09/24/21 16:32	09/26/21 05:57	1
o-Terphenyl	120		70 - 130				09/24/21 16:32	09/26/21 05:57	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.0		4.95	0.850	mg/Kg			09/29/21 21:30	1

## Client Sample ID: B-2

Lab Sample ID: 890-1303-14

Date Collected: 09/22/21 13:45

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 18

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		09/28/21 10:09	09/29/21 00:51	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		09/28/21 10:09	09/29/21 00:51	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		09/28/21 10:09	09/29/21 00:51	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		09/28/21 10:09	09/29/21 00:51	1
o-Xylene	0.00193	J	0.00198	0.000341	mg/Kg		09/28/21 10:09	09/29/21 00:51	1
Xylenes, Total	0.00193	J	0.00396	0.00100	mg/Kg		09/28/21 10:09	09/29/21 00:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130				09/28/21 10:09	09/29/21 00:51	1
1,4-Difluorobenzene (Surr)	125		70 - 130				09/28/21 10:09	09/29/21 00:51	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00193	J	0.00200	0.00100	mg/Kg			09/30/21 19:38	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1370		50.0	15.0	mg/Kg			09/30/21 12:51	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	303		49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 06:18	1
Diesel Range Organics (Over C10-C28)	1070		49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 06:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 06:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				09/24/21 16:32	09/26/21 06:18	1
o-Terphenyl	117		70 - 130				09/24/21 16:32	09/26/21 06:18	1

Eurofins Xenco, Carlsbad

## Client Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Client Sample ID: B-2

Lab Sample ID: 890-1303-14

Date Collected: 09/22/21 13:45

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 18

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		5.00	0.858	mg/Kg			09/29/21 21:36	1

## Client Sample ID: B-2

Lab Sample ID: 890-1303-15

Date Collected: 09/22/21 13:50

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 21 - 22

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		09/28/21 10:09	09/29/21 01:12	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		09/28/21 10:09	09/29/21 01:12	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		09/28/21 10:09	09/29/21 01:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		09/28/21 10:09	09/29/21 01:12	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		09/28/21 10:09	09/29/21 01:12	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		09/28/21 10:09	09/29/21 01:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				09/28/21 10:09	09/29/21 01:12	1
1,4-Difluorobenzene (Surr)	89		70 - 130				09/28/21 10:09	09/29/21 01:12	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.00100	mg/Kg			09/30/21 19:38	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	498		50.0	15.0	mg/Kg			09/30/21 12:51	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	92.0		50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 08:38	1
Diesel Range Organics (Over C10-C28)	406		50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 08:38	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 08:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				09/24/21 16:32	09/26/21 08:38	1
o-Terphenyl	129		70 - 130				09/24/21 16:32	09/26/21 08:38	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.7		4.96	0.851	mg/Kg			09/29/21 21:41	1

Eurofins Xenco, Carlsbad

## Client Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

Client Sample ID: B-2

Lab Sample ID: 890-1303-16

Date Collected: 09/22/21 13:55

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 23 - 24

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000492	J	0.00199	0.000383	mg/Kg		09/28/21 10:09	09/29/21 01:33	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		09/28/21 10:09	09/29/21 01:33	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		09/28/21 10:09	09/29/21 01:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		09/28/21 10:09	09/29/21 01:33	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		09/28/21 10:09	09/29/21 01:33	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		09/28/21 10:09	09/29/21 01:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	09/28/21 10:09	09/29/21 01:33	1
1,4-Difluorobenzene (Surr)	82		70 - 130	09/28/21 10:09	09/29/21 01:33	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.00100	mg/Kg			09/30/21 19:38	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	99.4		50.0	15.0	mg/Kg			09/30/21 12:51	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.5	J	49.8	14.9	mg/Kg		09/24/21 15:44	09/26/21 06:18	1
Diesel Range Organics (Over C10-C28)	78.9		49.8	14.9	mg/Kg		09/24/21 15:44	09/26/21 06:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		09/24/21 15:44	09/26/21 06:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	09/24/21 15:44	09/26/21 06:18	1
o-Terphenyl	132	X	70 - 130	09/24/21 15:44	09/26/21 06:18	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.4		4.96	0.851	mg/Kg			09/29/21 21:47	1

Client Sample ID: B-2

Lab Sample ID: 890-1303-17

Date Collected: 09/22/21 14:05

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 26

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		09/28/21 10:09	09/29/21 01:54	1
Toluene	0.000460	J	0.00199	0.000454	mg/Kg		09/28/21 10:09	09/29/21 01:54	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		09/28/21 10:09	09/29/21 01:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		09/28/21 10:09	09/29/21 01:54	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		09/28/21 10:09	09/29/21 01:54	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		09/28/21 10:09	09/29/21 01:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	09/28/21 10:09	09/29/21 01:54	1

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## Client Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

Client Sample ID: B-2

Lab Sample ID: 890-1303-17

Date Collected: 09/22/21 14:05

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 26

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	96		70 - 130	09/28/21 10:09	09/29/21 01:54	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.00100	mg/Kg			09/30/21 19:38	1

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1830		50.0	15.0	mg/Kg			09/30/21 12:51	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	469		50.0	15.0	mg/Kg		09/24/21 15:44	09/26/21 08:38	1
Diesel Range Organics (Over C10-C28)	1210		50.0	15.0	mg/Kg		09/24/21 15:44	09/26/21 08:38	1
Oil Range Organics (Over C28-C36)	155		50.0	15.0	mg/Kg		09/24/21 15:44	09/26/21 08:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	X	70 - 130				09/24/21 15:44	09/26/21 08:38	1
o-Terphenyl	132	X	70 - 130				09/24/21 15:44	09/26/21 08:38	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	118		4.96	0.851	mg/Kg			09/29/21 21:53	1

Eurofins Xenco, Carlsbad

## Surrogate Summary

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-6451-A-1-D MS	Matrix Spike	100	107
880-6451-A-1-E MSD	Matrix Spike Duplicate	106	65 X
880-6476-A-21-D MS	Matrix Spike	120	78
880-6476-A-21-E MSD	Matrix Spike Duplicate	129	75
890-1300-A-1-D MS	Matrix Spike	120	83
890-1300-A-1-E MSD	Matrix Spike Duplicate	127	73
890-1303-1	B-1	445 X	98
890-1303-2	B-1	260 X	79
890-1303-3	B-1	150 X	81
890-1303-4	B-1	119	82
890-1303-5	B-1	127	80
890-1303-6	B-1	139 X	77
890-1303-7	B-1	127	80
890-1303-8	B-1	133 X	79
890-1303-9	B-2	351 X	99
890-1303-10	B-2	163 X	86
890-1303-11	B-2	137 X	82
890-1303-12	B-2	520 X	110
890-1303-13	B-2	607 X	79
890-1303-14	B-2	76	125
890-1303-14 MS	B-2	89	95
890-1303-14 MSD	B-2	339 X	80
890-1303-15	B-2	120	89
890-1303-16	B-2	94	82
890-1303-17	B-2	87	96
LCS 880-8507/1-A	Lab Control Sample	92	107
LCS 880-8515/1-A	Lab Control Sample	117	84
LCS 880-8516/1-A	Lab Control Sample	119	78
LCS 880-8517/1-A	Lab Control Sample	88	86
LCSD 880-8507/2-A	Lab Control Sample Dup	84	95
LCSD 880-8515/2-A	Lab Control Sample Dup	115	74
LCSD 880-8516/2-A	Lab Control Sample Dup	119	77
LCSD 880-8517/2-A	Lab Control Sample Dup	100	89
MB 880-8465/5-A	Method Blank	105	101
MB 880-8507/5-A	Method Blank	107	106
MB 880-8515/5-A	Method Blank	101	80
MB 880-8517/5-A	Method Blank	128	116

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
890-1315-A-1-B MSD	Matrix Spike Duplicate		

## Surrogate Legend

Eurofins Xenco, Carlsbad

## Surrogate Summary

Client: Talon/LPE

Job ID: 890-1303-1

Project/Site: Charolais 6"

SDG: Lea County

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-6278-A-54-E MS	Matrix Spike	97	92
880-6278-A-54-F MSD	Matrix Spike Duplicate	104	91
880-6453-A-1-C MS	Matrix Spike	136 X	140 X
880-6453-A-1-D MSD	Matrix Spike Duplicate	129	129
880-6468-A-1-B MS	Matrix Spike	124	112
880-6468-A-1-C MSD	Matrix Spike Duplicate	113	100
890-1299-A-1-C MS	Matrix Spike	102	102
890-1299-A-1-D MSD	Matrix Spike Duplicate	102	102
890-1303-1	B-1	135 X	117
890-1303-2	B-1	135 X	130
890-1303-3	B-1	101	104
890-1303-4	B-1	114	125
890-1303-5	B-1	118	132 X
890-1303-6	B-1	113	126
890-1303-7	B-1	110	123
890-1303-8	B-1	107	120
890-1303-9	B-2	110	123
890-1303-10	B-2	111	122
890-1303-11	B-2	111	121
890-1303-12	B-2	119	122
890-1303-13	B-2	117	120
890-1303-14	B-2	114	117
890-1303-15	B-2	110	129
890-1303-16	B-2	116	132 X
890-1303-17	B-2	133 X	132 X
LCS 880-8388/2-A	Lab Control Sample	110	113
LCS 880-8396/2-A	Lab Control Sample	103	103
LCS 880-8435/2-A	Lab Control Sample	122	116
LCS 880-8436/2-A	Lab Control Sample	136 X	136 X
LCSD 880-8388/3-A	Lab Control Sample Dup	107	107
LCSD 880-8396/3-A	Lab Control Sample Dup	101	103
LCSD 880-8435/3-A	Lab Control Sample Dup	120	118
LCSD 880-8436/3-A	Lab Control Sample Dup	128	127
MB 880-8388/1-A	Method Blank	112	133 X
MB 880-8396/1-A	Method Blank	99	110
MB 880-8435/1-A	Method Blank	123	137 X
MB 880-8436/1-A	Method Blank	113	128

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-8465/5-A

Matrix: Solid

Analysis Batch: 8502

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8465

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		09/27/21 13:58	09/28/21 13:24	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		09/27/21 13:58	09/28/21 13:24	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		09/27/21 13:58	09/28/21 13:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		09/27/21 13:58	09/28/21 13:24	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		09/27/21 13:58	09/28/21 13:24	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		09/27/21 13:58	09/28/21 13:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	09/27/21 13:58	09/28/21 13:24	1
1,4-Difluorobenzene (Surr)	101		70 - 130	09/27/21 13:58	09/28/21 13:24	1

Lab Sample ID: 890-1300-A-1-D MS

Matrix: Solid

Analysis Batch: 8506

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 8504

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.101	0.07651		mg/Kg		76	70 - 130
Toluene	<0.00199	U	0.101	0.07874		mg/Kg		78	70 - 130
Ethylbenzene	0.000604	J	0.101	0.07850		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1653		mg/Kg		82	70 - 130
o-Xylene	0.000431	J	0.101	0.08282		mg/Kg		82	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: 890-1300-A-1-E MSD

Matrix: Solid

Analysis Batch: 8506

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 8504

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.07613		mg/Kg		76	70 - 130	0	35
Toluene	<0.00199	U	0.100	0.08029		mg/Kg		80	70 - 130	2	35
Ethylbenzene	0.000604	J	0.100	0.08253		mg/Kg		82	70 - 130	5	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1723		mg/Kg		86	70 - 130	4	35
o-Xylene	0.000431	J	0.100	0.08686		mg/Kg		86	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	73		70 - 130

Lab Sample ID: MB 880-8507/5-A

Matrix: Solid

Analysis Batch: 8502

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8507

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		09/28/21 10:09	09/29/21 00:29	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		09/28/21 10:09	09/29/21 00:29	1

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-8507/5-A

Matrix: Solid

Analysis Batch: 8502

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8507

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		09/28/21 10:09	09/29/21 00:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		09/28/21 10:09	09/29/21 00:29	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		09/28/21 10:09	09/29/21 00:29	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		09/28/21 10:09	09/29/21 00:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	09/28/21 10:09	09/29/21 00:29	1
1,4-Difluorobenzene (Surr)	106		70 - 130	09/28/21 10:09	09/29/21 00:29	1

Lab Sample ID: LCS 880-8507/1-A

Matrix: Solid

Analysis Batch: 8502

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8507

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08247		mg/Kg		82	70 - 130
Toluene	0.100	0.09425		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09269		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1552		mg/Kg		78	70 - 130
o-Xylene	0.100	0.07395		mg/Kg		74	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-8507/2-A

Matrix: Solid

Analysis Batch: 8502

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8507

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08892		mg/Kg		89	70 - 130	8	35
Toluene	0.100	0.08913		mg/Kg		89	70 - 130	6	35
Ethylbenzene	0.100	0.08011		mg/Kg		80	70 - 130	15	35
m-Xylene & p-Xylene	0.200	0.1484		mg/Kg		74	70 - 130	4	35
o-Xylene	0.100	0.07674		mg/Kg		77	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 890-1303-14 MS

Matrix: Solid

Analysis Batch: 8502

Client Sample ID: B-2

Prep Type: Total/NA

Prep Batch: 8507

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U	0.0990	0.05358	N1	mg/Kg		54	70 - 130
Toluene	<0.00198	U	0.0990	0.06526	N1	mg/Kg		66	70 - 130
Ethylbenzene	<0.00198	U	0.0990	0.06051	N1	mg/Kg		61	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.198	0.1099	N1	mg/Kg		56	70 - 130

Eurofins Xenco, Carlsbad



## QC Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-1303-14 MS

Matrix: Solid

Analysis Batch: 8502

Client Sample ID: B-2

Prep Type: Total/NA

Prep Batch: 8507

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	0.00193	J	0.0990	0.04999	N1	mg/Kg		49	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	89		70 - 130						
1,4-Difluorobenzene (Surr)	95		70 - 130						

Lab Sample ID: 890-1303-14 MSD

Matrix: Solid

Analysis Batch: 8502

Client Sample ID: B-2

Prep Type: Total/NA

Prep Batch: 8507

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	<0.00200	U N1	mg/Kg		0	70 - 130	NC	35
Toluene	<0.00198	U	0.100	0.1188	N2	mg/Kg		119	70 - 130	58	35
Ethylbenzene	<0.00198	U	0.100	0.05736	N1	mg/Kg		57	70 - 130	5	35
m-Xylene & p-Xylene	<0.00396	U	0.200	0.07299	N1 N2	mg/Kg		36	70 - 130	40	35
o-Xylene	0.00193	J	0.100	0.06199	N1	mg/Kg		60	70 - 130	21	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	339	X	70 - 130								
1,4-Difluorobenzene (Surr)	80		70 - 130								

Lab Sample ID: MB 880-8515/5-A

Matrix: Solid

Analysis Batch: 8570

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8515

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		09/29/21 09:00	09/29/21 12:36	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		09/29/21 09:00	09/29/21 12:36	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		09/29/21 09:00	09/29/21 12:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		09/29/21 09:00	09/29/21 12:36	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		09/29/21 09:00	09/29/21 12:36	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		09/29/21 09:00	09/29/21 12:36	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
4-Bromofluorobenzene (Surr)	101		70 - 130						
1,4-Difluorobenzene (Surr)	80		70 - 130						

Lab Sample ID: LCS 880-8515/1-A

Matrix: Solid

Analysis Batch: 8570

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8515

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08582		mg/Kg		86	70 - 130
Toluene	0.100	0.08861		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.09518		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1968		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09887		mg/Kg		99	70 - 130

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-8515/1-A

Matrix: Solid

Analysis Batch: 8570

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8515

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: LCSD 880-8515/2-A

Matrix: Solid

Analysis Batch: 8570

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8515

	Spike	LCSD	LCSD						%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Benzene	0.100	0.08722		mg/Kg		87	70 - 130	2	35		
Toluene	0.100	0.09218		mg/Kg		92	70 - 130	4	35		
Ethylbenzene	0.100	0.09766		mg/Kg		98	70 - 130	3	35		
m-Xylene & p-Xylene	0.200	0.2030		mg/Kg		101	70 - 130	3	35		
o-Xylene	0.100	0.1021		mg/Kg		102	70 - 130	3	35		

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	74		70 - 130

Lab Sample ID: 890-1315-A-1-B MSD

Matrix: Solid

Analysis Batch: 8570

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 8515

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.100	0.08971		mg/Kg					
Toluene	<0.00199	U	0.100	0.09261		mg/Kg					
Ethylbenzene	0.00423		0.100	0.09722		mg/Kg					
m-Xylene & p-Xylene	0.0102		0.200	0.2041		mg/Kg					
o-Xylene	0.00770		0.100	0.1032		mg/Kg					

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)			
1,4-Difluorobenzene (Surr)			

Lab Sample ID: LCS 880-8516/1-A

Matrix: Solid

Analysis Batch: 8570

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8516

	Spike	LCS	LCS						%Rec.		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits				
Benzene	0.100	0.08801		mg/Kg		88	70 - 130				
Toluene	0.100	0.09347		mg/Kg		93	70 - 130				
Ethylbenzene	0.100	0.09972		mg/Kg		100	70 - 130				
m-Xylene & p-Xylene	0.200	0.2051		mg/Kg		103	70 - 130				
o-Xylene	0.100	0.1047		mg/Kg		105	70 - 130				

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	78		70 - 130

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-8516/2-A

Matrix: Solid

Analysis Batch: 8570

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8516

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08894		mg/Kg		89	70 - 130	1	35
Toluene	0.100	0.09378		mg/Kg		94	70 - 130	0	35
Ethylbenzene	0.100	0.1009		mg/Kg		101	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2071		mg/Kg		104	70 - 130	1	35
o-Xylene	0.100	0.1060		mg/Kg		106	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	77		70 - 130

Lab Sample ID: 880-6476-A-21-D MS

Matrix: Solid

Analysis Batch: 8570

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 8516

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.101	0.05945	N1	mg/Kg		59	70 - 130
Toluene	<0.00199	J	0.101	0.06187	N1	mg/Kg		61	70 - 130
Ethylbenzene	<0.00199	U	0.101	0.06229	N1	mg/Kg		62	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1283	N1	mg/Kg		64	70 - 130
o-Xylene	<0.00199	U	0.101	0.06484	N1	mg/Kg		64	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	78		70 - 130

Lab Sample ID: 880-6476-A-21-E MSD

Matrix: Solid

Analysis Batch: 8570

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 8516

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0996	0.02435	N1 N2	mg/Kg		24	70 - 130	84	35
Toluene	<0.00199	J	0.0996	0.02848	N1 N2	mg/Kg		28	70 - 130	74	35
Ethylbenzene	<0.00199	U	0.0996	0.02747	N1 N2	mg/Kg		28	70 - 130	78	35
m-Xylene & p-Xylene	<0.00398	U	0.199	0.05519	N1 N2	mg/Kg		28	70 - 130	80	35
o-Xylene	<0.00199	U	0.0996	0.02897	N1 N2	mg/Kg		29	70 - 130	76	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	75		70 - 130

Lab Sample ID: MB 880-8517/5-A

Matrix: Solid

Analysis Batch: 8572

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8517

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		09/28/21 13:08	09/29/21 12:40	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		09/28/21 13:08	09/29/21 12:40	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		09/28/21 13:08	09/29/21 12:40	1

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-8517/5-A

Matrix: Solid

Analysis Batch: 8572

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8517

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		09/28/21 13:08	09/29/21 12:40	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		09/28/21 13:08	09/29/21 12:40	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		09/28/21 13:08	09/29/21 12:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	09/28/21 13:08	09/29/21 12:40	1
1,4-Difluorobenzene (Surr)	116		70 - 130	09/28/21 13:08	09/29/21 12:40	1

Lab Sample ID: LCS 880-8517/1-A

Matrix: Solid

Analysis Batch: 8572

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8517

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09029		mg/Kg		90	70 - 130
Toluene	0.100	0.08751		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.08523		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1641		mg/Kg		82	70 - 130
o-Xylene	0.100	0.07521		mg/Kg		75	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: LCSD 880-8517/2-A

Matrix: Solid

Analysis Batch: 8572

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8517

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.07792		mg/Kg		78	70 - 130	15	35
Toluene	0.100	0.09676		mg/Kg		97	70 - 130	10	35
Ethylbenzene	0.100	0.09820		mg/Kg		98	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.1741		mg/Kg		87	70 - 130	6	35
o-Xylene	0.100	0.07666		mg/Kg		77	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-6451-A-1-D MS

Matrix: Solid

Analysis Batch: 8572

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 8517

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.000567	J	0.100	0.08866		mg/Kg		88	70 - 130
Toluene	0.0170		0.100	0.1066		mg/Kg		89	70 - 130
Ethylbenzene	0.0142		0.100	0.1018		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.0424		0.201	0.1852		mg/Kg		71	70 - 130
o-Xylene	0.0118		0.100	0.09212		mg/Kg		80	70 - 130

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-6451-A-1-E MSD

Matrix: Solid

Analysis Batch: 8572

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 8517

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.000567	J	0.100	0.05612	N1 N2	mg/Kg		55	70 - 130	45	35
Toluene	0.0170		0.100	0.09112		mg/Kg		74	70 - 130	16	35
Ethylbenzene	0.0142		0.100	0.1109		mg/Kg		97	70 - 130	9	35
m-Xylene & p-Xylene	0.0424		0.200	0.1979		mg/Kg		78	70 - 130	7	35
o-Xylene	0.0118		0.100	0.09476		mg/Kg		83	70 - 130	3	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	65	X	70 - 130

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-8388/1-A

Matrix: Solid

Analysis Batch: 8407

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8388

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		09/24/21 15:44	09/25/21 21:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		09/24/21 15:44	09/25/21 21:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		09/24/21 15:44	09/25/21 21:52	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	112		70 - 130	09/24/21 15:44	09/25/21 21:52	1			
o-Terphenyl	133	X	70 - 130	09/24/21 15:44	09/25/21 21:52	1			

Lab Sample ID: LCS 880-8388/2-A

Matrix: Solid

Analysis Batch: 8407

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8388

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	912.1		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1168		mg/Kg		117	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	113		70 - 130

Eurofins Xenco, Carlsbad



## QC Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-8388/3-A

Matrix: Solid

Analysis Batch: 8407

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8388

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	893.9		mg/Kg		89	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1117		mg/Kg		112	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	107		70 - 130						
o-Terphenyl	107		70 - 130						

Lab Sample ID: 880-6453-A-1-C MS

Matrix: Solid

Analysis Batch: 8407

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 8388

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	1077		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)	41.9	J	997	1250		mg/Kg		121	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	136	X	70 - 130								
o-Terphenyl	140	X	70 - 130								

Lab Sample ID: 880-6453-A-1-D MSD

Matrix: Solid

Analysis Batch: 8407

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 8388

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	1005		mg/Kg		101	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	41.9	J	999	1190		mg/Kg		115	70 - 130	5	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	129		70 - 130								
o-Terphenyl	129		70 - 130								

Lab Sample ID: MB 880-8396/1-A

Matrix: Solid

Analysis Batch: 8405

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8396

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		09/24/21 16:32	09/25/21 21:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		09/24/21 16:32	09/25/21 21:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		09/24/21 16:32	09/25/21 21:52	1

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-8396/1-A

Matrix: Solid

Analysis Batch: 8405

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8396

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	09/24/21 16:32	09/25/21 21:52	1
o-Terphenyl	110		70 - 130	09/24/21 16:32	09/25/21 21:52	1

Lab Sample ID: LCS 880-8396/2-A

Matrix: Solid

Analysis Batch: 8405

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8396

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	878.4		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	928.5		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: LCSD 880-8396/3-A

Matrix: Solid

Analysis Batch: 8405

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8396

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	860.1		mg/Kg		86	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1019		mg/Kg		102	70 - 130	9	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 890-1299-A-1-C MS

Matrix: Solid

Analysis Batch: 8405

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 8396

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	942.3		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	17.7	J	997	872.1		mg/Kg		86	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	102		70 - 130

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-1299-A-1-D MSD

Matrix: Solid

Analysis Batch: 8405

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 8396

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	886.3		mg/Kg		89	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	17.7	J	999	877.5		mg/Kg		86	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	102		70 - 130								
o-Terphenyl	102		70 - 130								

Lab Sample ID: MB 880-8435/1-A

Matrix: Solid

Analysis Batch: 8429

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8435

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		09/27/21 08:53	09/27/21 10:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		09/27/21 08:53	09/27/21 10:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		09/27/21 08:53	09/27/21 10:32	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				09/27/21 08:53	09/27/21 10:32	1
o-Terphenyl	137	X	70 - 130				09/27/21 08:53	09/27/21 10:32	1

Lab Sample ID: LCS 880-8435/2-A

Matrix: Solid

Analysis Batch: 8429

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8435

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1138		mg/Kg		114	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1135		mg/Kg		113	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	122		70 - 130						
o-Terphenyl	116		70 - 130						

Lab Sample ID: LCSD 880-8435/3-A

Matrix: Solid

Analysis Batch: 8429

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8435

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1066		mg/Kg		107	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1120		mg/Kg		112	70 - 130	1	20

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-8435/3-A

Matrix: Solid

Analysis Batch: 8429

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8435

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: 880-6278-A-54-E MS

Matrix: Solid

Analysis Batch: 8429

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 8435

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	894.3		mg/Kg		90	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.8	U	997	810.0		mg/Kg		81	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	97		70 - 130							
o-Terphenyl	92		70 - 130							

Lab Sample ID: 880-6278-A-54-F MSD

Matrix: Solid

Analysis Batch: 8429

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 8435

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	920.6		mg/Kg		92	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	<49.8	U	999	810.8		mg/Kg		81	70 - 130	0	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	104		70 - 130									
o-Terphenyl	91		70 - 130									

Lab Sample ID: MB 880-8436/1-A

Matrix: Solid

Analysis Batch: 8431

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 8436

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		09/27/21 09:17	09/27/21 10:47	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		09/27/21 09:17	09/27/21 10:47	1		
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		09/27/21 09:17	09/27/21 10:47	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	113		70 - 130				09/27/21 09:17	09/27/21 10:47	1		
o-Terphenyl	128		70 - 130				09/27/21 09:17	09/27/21 10:47	1		

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-8436/2-A

Matrix: Solid

Analysis Batch: 8431

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 8436

Analyte			Spike	LCS	LCS	Unit	D	%Rec.		
			Added	Result	Qualifier			%Rec		
Gasoline Range Organics (GRO)-C6-C10			1000	1118		mg/Kg		112	70 - 130	
Diesel Range Organics (Over C10-C28)			1000	1264		mg/Kg		126	70 - 130	

Lab Sample ID: LCSD 880-8436/3-A

Matrix: Solid

Analysis Batch: 8431

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 8436

Table 1: LCSD Data										
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.	RPD		
							Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	1097		mg/Kg		110	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	1000	1146		mg/Kg		115	70 - 130	10	20	
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
1-Chlorooctane	128		70 - 130							
o-Terphenyl	127		70 - 130							

Lab Sample ID: 880-6468-A-1-B MS

Matrix: Solid

Analysis Batch: 8431

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 8436

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	981.3		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	997	1097		mg/Kg		110	70 - 130		

Lab Sample ID: 880-6468-A-1-C MSD

Matrix: Solid

Analysis Batch: 8431

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 8436

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	972.3		mg/Kg		97	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	1028		mg/Kg		103	70 - 130	7	20

Eurofins Xenco, Carlsbad



## QC Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-6468-A-1-C MSD

Matrix: Solid

Analysis Batch: 8431

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 8436

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	100		70 - 130

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-8386/1-A

Matrix: Solid

Analysis Batch: 8473

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			09/27/21 18:53		1

Lab Sample ID: LCS 880-8386/2-A

Matrix: Solid

Analysis Batch: 8473

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec.	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride			250	269.2		mg/Kg		108	90 - 110	

Lab Sample ID: LCSD 880-8386/3-A

Matrix: Solid

Analysis Batch: 8473

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	268.7		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 890-1303-2 MS

Matrix: Solid

Analysis Batch: 8473

Client Sample ID: B-1

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	324		248	576.6		mg/Kg		102	90 - 110		

Lab Sample ID: 890-1303-2 MSD

Matrix: Solid

Analysis Batch: 8473

Client Sample ID: B-1

Prep Type: Soluble

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	324		248	574.4		mg/Kg		101	90 - 110	0	20

Lab Sample ID: MB 880-8387/1-A

Matrix: Solid

Analysis Batch: 8553

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			09/29/21 19:04		1

Eurofins Xenco, Carlsbad

## QC Sample Results

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-8387/2-A

Matrix: Solid

Analysis Batch: 8553

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	257.5		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-8387/3-A

Matrix: Solid

Analysis Batch: 8553

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	258.3		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-6450-A-1-B MS

Matrix: Solid

Analysis Batch: 8553

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	599		1240	1994	N1	mg/Kg		113	90 - 110

Lab Sample ID: 880-6450-A-1-C MSD

Matrix: Solid

Analysis Batch: 8553

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	599		1240	1999	N1	mg/Kg		113	90 - 110	0	20

## QC Association Summary

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## GC VOA

## Prep Batch: 8465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-8465/5-A	Method Blank	Total/NA	Solid	5035	

## Analysis Batch: 8502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-14	B-2	Total/NA	Solid	8021B	8507
890-1303-15	B-2	Total/NA	Solid	8021B	8507
890-1303-16	B-2	Total/NA	Solid	8021B	8507
890-1303-17	B-2	Total/NA	Solid	8021B	8507
MB 880-8465/5-A	Method Blank	Total/NA	Solid	8021B	8465
MB 880-8507/5-A	Method Blank	Total/NA	Solid	8021B	8507
LCS 880-8507/1-A	Lab Control Sample	Total/NA	Solid	8021B	8507
LCSD 880-8507/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8507
890-1303-14 MS	B-2	Total/NA	Solid	8021B	8507
890-1303-14 MSD	B-2	Total/NA	Solid	8021B	8507

## Prep Batch: 8504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-1	B-1	Total/NA	Solid	5035	
890-1303-2	B-1	Total/NA	Solid	5035	
890-1303-3	B-1	Total/NA	Solid	5035	
890-1303-4	B-1	Total/NA	Solid	5035	
890-1303-5	B-1	Total/NA	Solid	5035	
890-1303-6	B-1	Total/NA	Solid	5035	
890-1303-7	B-1	Total/NA	Solid	5035	
890-1303-8	B-1	Total/NA	Solid	5035	
890-1303-9	B-2	Total/NA	Solid	5035	
890-1303-10	B-2	Total/NA	Solid	5035	
890-1303-11	B-2	Total/NA	Solid	5035	
890-1303-12	B-2	Total/NA	Solid	5035	
890-1303-13	B-2	Total/NA	Solid	5035	
890-1300-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
890-1300-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 8506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-1	B-1	Total/NA	Solid	8021B	8504
890-1303-2	B-1	Total/NA	Solid	8021B	8504
890-1303-3	B-1	Total/NA	Solid	8021B	8504
890-1303-4	B-1	Total/NA	Solid	8021B	8504
890-1303-5	B-1	Total/NA	Solid	8021B	8504
890-1303-6	B-1	Total/NA	Solid	8021B	8504
890-1303-7	B-1	Total/NA	Solid	8021B	8504
890-1303-8	B-1	Total/NA	Solid	8021B	8504
890-1303-9	B-2	Total/NA	Solid	8021B	8504
890-1303-10	B-2	Total/NA	Solid	8021B	8504
890-1303-11	B-2	Total/NA	Solid	8021B	8504
890-1303-12	B-2	Total/NA	Solid	8021B	8504
890-1303-13	B-2	Total/NA	Solid	8021B	8504
890-1300-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	8504
890-1300-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	8504

Eurofins Xenco, Carlsbad

## QC Association Summary

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## GC VOA

## Prep Batch: 8507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-14	B-2	Total/NA	Solid	5035	
890-1303-15	B-2	Total/NA	Solid	5035	
890-1303-16	B-2	Total/NA	Solid	5035	
890-1303-17	B-2	Total/NA	Solid	5035	
MB 880-8507/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8507/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8507/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1303-14 MS	B-2	Total/NA	Solid	5035	
890-1303-14 MSD	B-2	Total/NA	Solid	5035	

## Prep Batch: 8515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-9	B-2	Total/NA	Solid	5035	
890-1303-12	B-2	Total/NA	Solid	5035	
890-1303-13	B-2	Total/NA	Solid	5035	
MB 880-8515/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8515/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8515/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1315-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Prep Batch: 8516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-8516/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8516/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-6476-A-21-D MS	Matrix Spike	Total/NA	Solid	5035	
880-6476-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Prep Batch: 8517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-1	B-1	Total/NA	Solid	5035	
890-1303-2	B-1	Total/NA	Solid	5035	
MB 880-8517/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8517/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8517/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-6451-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-6451-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 8570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-9	B-2	Total/NA	Solid	8021B	8515
890-1303-12	B-2	Total/NA	Solid	8021B	8515
890-1303-13	B-2	Total/NA	Solid	8021B	8515
MB 880-8515/5-A	Method Blank	Total/NA	Solid	8021B	8515
LCS 880-8515/1-A	Lab Control Sample	Total/NA	Solid	8021B	8515
LCS 880-8516/1-A	Lab Control Sample	Total/NA	Solid	8021B	8516
LCSD 880-8515/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8515
LCSD 880-8516/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8516
880-6476-A-21-D MS	Matrix Spike	Total/NA	Solid	8021B	8516
880-6476-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	8516
890-1315-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	8515

Eurofins Xenco, Carlsbad

## QC Association Summary

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## GC VOA

## Analysis Batch: 8572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-1	B-1	Total/NA	Solid	8021B	8517
890-1303-2	B-1	Total/NA	Solid	8021B	8517
MB 880-8517/5-A	Method Blank	Total/NA	Solid	8021B	8517
LCS 880-8517/1-A	Lab Control Sample	Total/NA	Solid	8021B	8517
LCSD 880-8517/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8517
880-6451-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	8517
880-6451-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	8517

## Analysis Batch: 8694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-1	B-1	Total/NA	Solid	Total BTEX	
890-1303-2	B-1	Total/NA	Solid	Total BTEX	
890-1303-3	B-1	Total/NA	Solid	Total BTEX	
890-1303-4	B-1	Total/NA	Solid	Total BTEX	
890-1303-5	B-1	Total/NA	Solid	Total BTEX	
890-1303-6	B-1	Total/NA	Solid	Total BTEX	
890-1303-7	B-1	Total/NA	Solid	Total BTEX	
890-1303-8	B-1	Total/NA	Solid	Total BTEX	
890-1303-9	B-2	Total/NA	Solid	Total BTEX	
890-1303-10	B-2	Total/NA	Solid	Total BTEX	
890-1303-11	B-2	Total/NA	Solid	Total BTEX	
890-1303-12	B-2	Total/NA	Solid	Total BTEX	
890-1303-13	B-2	Total/NA	Solid	Total BTEX	
890-1303-14	B-2	Total/NA	Solid	Total BTEX	
890-1303-15	B-2	Total/NA	Solid	Total BTEX	
890-1303-16	B-2	Total/NA	Solid	Total BTEX	
890-1303-17	B-2	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 8388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-16	B-2	Total/NA	Solid	8015NM Prep	
890-1303-17	B-2	Total/NA	Solid	8015NM Prep	
MB 880-8388/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-8388/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-8388/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-6453-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-6453-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Prep Batch: 8396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-4	B-1	Total/NA	Solid	8015NM Prep	
890-1303-5	B-1	Total/NA	Solid	8015NM Prep	
890-1303-6	B-1	Total/NA	Solid	8015NM Prep	
890-1303-7	B-1	Total/NA	Solid	8015NM Prep	
890-1303-8	B-1	Total/NA	Solid	8015NM Prep	
890-1303-9	B-2	Total/NA	Solid	8015NM Prep	
890-1303-10	B-2	Total/NA	Solid	8015NM Prep	
890-1303-11	B-2	Total/NA	Solid	8015NM Prep	
890-1303-12	B-2	Total/NA	Solid	8015NM Prep	

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## QC Association Summary

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## GC Semi VOA (Continued)

## Prep Batch: 8396 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-13	B-2	Total/NA	Solid	8015NM Prep	
890-1303-14	B-2	Total/NA	Solid	8015NM Prep	
890-1303-15	B-2	Total/NA	Solid	8015NM Prep	
MB 880-8396/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-8396/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-8396/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1299-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1299-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 8405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-4	B-1	Total/NA	Solid	8015B NM	8396
890-1303-5	B-1	Total/NA	Solid	8015B NM	8396
890-1303-6	B-1	Total/NA	Solid	8015B NM	8396
890-1303-7	B-1	Total/NA	Solid	8015B NM	8396
890-1303-8	B-1	Total/NA	Solid	8015B NM	8396
890-1303-9	B-2	Total/NA	Solid	8015B NM	8396
890-1303-10	B-2	Total/NA	Solid	8015B NM	8396
890-1303-11	B-2	Total/NA	Solid	8015B NM	8396
890-1303-12	B-2	Total/NA	Solid	8015B NM	8396
890-1303-13	B-2	Total/NA	Solid	8015B NM	8396
890-1303-14	B-2	Total/NA	Solid	8015B NM	8396
890-1303-15	B-2	Total/NA	Solid	8015B NM	8396
MB 880-8396/1-A	Method Blank	Total/NA	Solid	8015B NM	8396
LCS 880-8396/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	8396
LCSD 880-8396/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	8396
890-1299-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	8396
890-1299-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	8396

## Analysis Batch: 8407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-16	B-2	Total/NA	Solid	8015B NM	8388
890-1303-17	B-2	Total/NA	Solid	8015B NM	8388
MB 880-8388/1-A	Method Blank	Total/NA	Solid	8015B NM	8388
LCS 880-8388/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	8388
LCSD 880-8388/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	8388
880-6453-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	8388
880-6453-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	8388

## Analysis Batch: 8429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-1	B-1	Total/NA	Solid	8015B NM	8435
890-1303-2	B-1	Total/NA	Solid	8015B NM	8435
MB 880-8435/1-A	Method Blank	Total/NA	Solid	8015B NM	8435
LCS 880-8435/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	8435
LCSD 880-8435/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	8435
880-6278-A-54-E MS	Matrix Spike	Total/NA	Solid	8015B NM	8435
880-6278-A-54-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	8435

Eurofins Xenco, Carlsbad

## QC Association Summary

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## GC Semi VOA

## Analysis Batch: 8431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-3	B-1	Total/NA	Solid	8015B NM	8436
MB 880-8436/1-A	Method Blank	Total/NA	Solid	8015B NM	8436
LCS 880-8436/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	8436
LCSD 880-8436/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	8436
880-6468-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	8436
880-6468-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	8436

## Prep Batch: 8435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-1	B-1	Total/NA	Solid	8015NM Prep	
890-1303-2	B-1	Total/NA	Solid	8015NM Prep	
MB 880-8435/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-8435/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-8435/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-6278-A-54-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-6278-A-54-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Prep Batch: 8436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-3	B-1	Total/NA	Solid	8015NM Prep	
MB 880-8436/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-8436/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-8436/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-6468-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-6468-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 8663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-1	B-1	Total/NA	Solid	8015 NM	
890-1303-2	B-1	Total/NA	Solid	8015 NM	
890-1303-3	B-1	Total/NA	Solid	8015 NM	
890-1303-4	B-1	Total/NA	Solid	8015 NM	
890-1303-5	B-1	Total/NA	Solid	8015 NM	
890-1303-6	B-1	Total/NA	Solid	8015 NM	
890-1303-7	B-1	Total/NA	Solid	8015 NM	
890-1303-8	B-1	Total/NA	Solid	8015 NM	
890-1303-9	B-2	Total/NA	Solid	8015 NM	
890-1303-10	B-2	Total/NA	Solid	8015 NM	
890-1303-11	B-2	Total/NA	Solid	8015 NM	
890-1303-12	B-2	Total/NA	Solid	8015 NM	
890-1303-13	B-2	Total/NA	Solid	8015 NM	
890-1303-14	B-2	Total/NA	Solid	8015 NM	
890-1303-15	B-2	Total/NA	Solid	8015 NM	
890-1303-16	B-2	Total/NA	Solid	8015 NM	
890-1303-17	B-2	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 8386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-1	B-1	Soluble	Solid	DI Leach	

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## QC Association Summary

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## HPLC/IC (Continued)

## Leach Batch: 8386 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-2	B-1	Soluble	Solid	DI Leach	
890-1303-3	B-1	Soluble	Solid	DI Leach	
890-1303-4	B-1	Soluble	Solid	DI Leach	
890-1303-5	B-1	Soluble	Solid	DI Leach	
890-1303-6	B-1	Soluble	Solid	DI Leach	
890-1303-7	B-1	Soluble	Solid	DI Leach	
890-1303-8	B-1	Soluble	Solid	DI Leach	
890-1303-9	B-2	Soluble	Solid	DI Leach	
890-1303-10	B-2	Soluble	Solid	DI Leach	
890-1303-11	B-2	Soluble	Solid	DI Leach	
MB 880-8386/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-8386/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-8386/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1303-2 MS	B-1	Soluble	Solid	DI Leach	
890-1303-2 MSD	B-1	Soluble	Solid	DI Leach	

## Leach Batch: 8387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-12	B-2	Soluble	Solid	DI Leach	
890-1303-13	B-2	Soluble	Solid	DI Leach	
890-1303-14	B-2	Soluble	Solid	DI Leach	
890-1303-15	B-2	Soluble	Solid	DI Leach	
890-1303-16	B-2	Soluble	Solid	DI Leach	
890-1303-17	B-2	Soluble	Solid	DI Leach	
MB 880-8387/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-8387/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-8387/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-6450-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-6450-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

## Analysis Batch: 8473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-1	B-1	Soluble	Solid	300.0	8386
890-1303-2	B-1	Soluble	Solid	300.0	8386
890-1303-3	B-1	Soluble	Solid	300.0	8386
890-1303-4	B-1	Soluble	Solid	300.0	8386
890-1303-5	B-1	Soluble	Solid	300.0	8386
890-1303-6	B-1	Soluble	Solid	300.0	8386
890-1303-7	B-1	Soluble	Solid	300.0	8386
890-1303-8	B-1	Soluble	Solid	300.0	8386
890-1303-9	B-2	Soluble	Solid	300.0	8386
890-1303-10	B-2	Soluble	Solid	300.0	8386
890-1303-11	B-2	Soluble	Solid	300.0	8386
MB 880-8386/1-A	Method Blank	Soluble	Solid	300.0	8386
LCS 880-8386/2-A	Lab Control Sample	Soluble	Solid	300.0	8386
LCSD 880-8386/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	8386
890-1303-2 MS	B-1	Soluble	Solid	300.0	8386
890-1303-2 MSD	B-1	Soluble	Solid	300.0	8386

Eurofins Xenco, Carlsbad

## QC Association Summary

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## HPLC/IC

## Analysis Batch: 8553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-12	B-2	Soluble	Solid	300.0	8387
890-1303-13	B-2	Soluble	Solid	300.0	8387
890-1303-14	B-2	Soluble	Solid	300.0	8387
890-1303-15	B-2	Soluble	Solid	300.0	8387
890-1303-16	B-2	Soluble	Solid	300.0	8387
890-1303-17	B-2	Soluble	Solid	300.0	8387
MB 880-8387/1-A	Method Blank	Soluble	Solid	300.0	8387
LCS 880-8387/2-A	Lab Control Sample	Soluble	Solid	300.0	8387
LCSD 880-8387/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	8387
880-6450-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	8387
880-6450-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	8387

Eurofins Xenco, Carlsbad

## Lab Chronicle

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

Client Sample ID: B-1

Lab Sample ID: 890-1303-1

Date Collected: 09/22/21 10:20

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	8517	09/28/21 13:08	KL	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	8572	09/29/21 15:48	KL	XEN MID
Total/NA	Prep	5035			5.02 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 16:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	8435	09/27/21 08:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8429	09/27/21 15:01	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/27/21 20:32	CH	XEN MID

Client Sample ID: B-1

Lab Sample ID: 890-1303-2

Date Collected: 09/22/21 10:27

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	8517	09/28/21 13:08	KL	XEN MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	8572	09/29/21 16:09	KL	XEN MID
Total/NA	Prep	5035			5.00 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 16:40	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	8435	09/27/21 08:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8429	09/27/21 15:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/27/21 20:38	CH	XEN MID

Client Sample ID: B-1

Lab Sample ID: 890-1303-3

Date Collected: 09/22/21 10:40

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 17:01	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8436	09/27/21 09:17	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8431	09/27/21 19:54	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/27/21 20:57	CH	XEN MID

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## Lab Chronicle

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

Client Sample ID: B-1

Lab Sample ID: 890-1303-4

Date Collected: 09/22/21 10:42

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 18:23	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 02:27	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/27/21 21:03	CH	XEN MID

Client Sample ID: B-1

Lab Sample ID: 890-1303-5

Date Collected: 09/22/21 10:55

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 18:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 02:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/27/21 21:22	CH	XEN MID

Client Sample ID: B-1

Lab Sample ID: 890-1303-6

Date Collected: 09/22/21 11:00

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 19:04	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 03:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/27/21 21:28	CH	XEN MID

Client Sample ID: B-1

Lab Sample ID: 890-1303-7

Date Collected: 09/22/21 11:20

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 19:25	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID

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## Lab Chronicle

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Client Sample ID: B-1

## Lab Sample ID: 890-1303-7

Date Collected: 09/22/21 11:20

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 03:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/27/21 21:34	CH	XEN MID

## Client Sample ID: B-1

## Lab Sample ID: 890-1303-8

Date Collected: 09/22/21 11:30

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 19:45	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 04:12	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/28/21 11:26	CH	XEN MID

## Client Sample ID: B-2

## Lab Sample ID: 890-1303-9

Date Collected: 09/22/21 13:15

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 20:06	KL	XEN MID
Total/NA	Prep	5035			5.00 g	5 mL	8515	09/29/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	8570	09/29/21 19:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 04:33	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/27/21 21:46	CH	XEN MID

## Client Sample ID: B-2

## Lab Sample ID: 890-1303-10

Date Collected: 09/22/21 13:25

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 20:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID

Eurofins Xenco, Carlsbad

## Lab Chronicle

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

Client Sample ID: B-2

Lab Sample ID: 890-1303-10

Date Collected: 09/22/21 13:25

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 04:54	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/27/21 21:52	CH	XEN MID

Client Sample ID: B-2

Lab Sample ID: 890-1303-11

Date Collected: 09/22/21 13:30

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 20:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 05:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/27/21 21:59	CH	XEN MID

Client Sample ID: B-2

Lab Sample ID: 890-1303-12

Date Collected: 09/22/21 13:35

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 21:07	KL	XEN MID
Total/NA	Prep	5035			4.97 g	5 mL	8515	09/29/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	8570	09/29/21 20:07	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 05:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	8387	09/24/21 15:35	SC	XEN MID
Soluble	Analysis	300.0		1			8553	09/29/21 21:24	CH	XEN MID

Client Sample ID: B-2

Lab Sample ID: 890-1303-13

Date Collected: 09/22/21 13:40

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 21:28	KL	XEN MID
Total/NA	Prep	5035			4.98 g	5 mL	8515	09/29/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	8570	09/29/21 20:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID

Eurofins Xenco, Carlsbad

## Lab Chronicle

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

## Client Sample ID: B-2

## Lab Sample ID: 890-1303-13

Date Collected: 09/22/21 13:40

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 05:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8387	09/24/21 15:35	SC	XEN MID
Soluble	Analysis	300.0		1			8553	09/29/21 21:30	CH	XEN MID

## Client Sample ID: B-2

## Lab Sample ID: 890-1303-14

Date Collected: 09/22/21 13:45

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	8507	09/28/21 10:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/29/21 00:51	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 06:18	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	8387	09/24/21 15:35	SC	XEN MID
Soluble	Analysis	300.0		1			8553	09/29/21 21:36	CH	XEN MID

## Client Sample ID: B-2

## Lab Sample ID: 890-1303-15

Date Collected: 09/22/21 13:50

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	8507	09/28/21 10:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/29/21 01:12	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 08:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	8387	09/24/21 15:35	SC	XEN MID
Soluble	Analysis	300.0		1			8553	09/29/21 21:41	CH	XEN MID

## Client Sample ID: B-2

## Lab Sample ID: 890-1303-16

Date Collected: 09/22/21 13:55

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	8507	09/28/21 10:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/29/21 01:33	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8388	09/24/21 15:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8407	09/26/21 06:18	AJ	XEN MID

Eurofins Xenco, Carlsbad

## Lab Chronicle

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

Client Sample ID: B-2

Lab Sample ID: 890-1303-16

Date Collected: 09/22/21 13:55

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	8387	09/24/21 15:35	SC	XEN MID
Soluble	Analysis	300.0		1			8553	09/29/21 21:47	CH	XEN MID

Client Sample ID: B-2

Lab Sample ID: 890-1303-17

Date Collected: 09/22/21 14:05

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	8507	09/28/21 10:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/29/21 01:54	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8388	09/24/21 15:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8407	09/26/21 08:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	8387	09/24/21 15:35	SC	XEN MID
Soluble	Analysis	300.0		1			8553	09/29/21 21:53	CH	XEN MID

## Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



### Accreditation/Certification Summary

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

#### Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

## Method Summary

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

**Protocol References:**

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

## Sample Summary

Client: Talon/LPE  
Project/Site: Charolais 6"

Job ID: 890-1303-1  
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1303-1	B-1	Solid	09/22/21 10:20	09/23/21 13:25	8
890-1303-2	B-1	Solid	09/22/21 10:27	09/23/21 13:25	10
890-1303-3	B-1	Solid	09/22/21 10:40	09/23/21 13:25	12 - 13
890-1303-4	B-1	Solid	09/22/21 10:42	09/23/21 13:25	14 - 15
890-1303-5	B-1	Solid	09/22/21 10:55	09/23/21 13:25	16 - 17
890-1303-6	B-1	Solid	09/22/21 11:00	09/23/21 13:25	18
890-1303-7	B-1	Solid	09/22/21 11:20	09/23/21 13:25	21 - 22
890-1303-8	B-1	Solid	09/22/21 11:30	09/23/21 13:25	25 - 26
890-1303-9	B-2	Solid	09/22/21 13:15	09/23/21 13:25	8
890-1303-10	B-2	Solid	09/22/21 13:25	09/23/21 13:25	10
890-1303-11	B-2	Solid	09/22/21 13:30	09/23/21 13:25	12 - 13
890-1303-12	B-2	Solid	09/22/21 13:35	09/23/21 13:25	14 - 15
890-1303-13	B-2	Solid	09/22/21 13:40	09/23/21 13:25	16 - 17
890-1303-14	B-2	Solid	09/22/21 13:45	09/23/21 13:25	18
890-1303-15	B-2	Solid	09/22/21 13:50	09/23/21 13:25	21 - 22
890-1303-16	B-2	Solid	09/22/21 13:55	09/23/21 13:25	23 - 24
890-1303-17	B-2	Solid	09/22/21 14:05	09/23/21 13:25	26



Environment Testing  
Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

## Chain of Custody

**Work Order No:**

www.xenco.com Page 1 of 2

Project Manager:	Renee Pons		Bill to: (if different)	
Company Name:	Talon LPE		Company Name:	→
Address:	408 W. Texas Ave.		Address:	
City, State ZIP:	Artesia, NM 88210		City, State ZIP:	
Phone:	575.746.8768	Email:	R.Pons@talonlpe.com	

Work Order Comments			
Program:	UST/PST <input type="checkbox"/>	PRP <input type="checkbox"/>	Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:			
Reporting:	Level II <input type="checkbox"/>	Level III <input type="checkbox"/>	PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/>	Adapt <input type="checkbox"/>	Other: <input type="text"/>

Project Name:	Quercus oleis 1611				Turn Around	
Project Number:	702952.003.01				<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush
Project Location:	here empty				Due Date:	
Sampler's Name:	James James				TAT starts the day received by the lab, if received by 4:30pm	
PO #:						
<b>SAMPLE RECEIPT</b>		Temp Blank:	<input checked="" type="radio"/> Yes <input type="radio"/> No	Wet Ice:	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Samples Received Intact:	<input checked="" type="radio"/> Yes <input type="radio"/> No	Thermometer ID:	17m2001			
Cooler Custody Seals:	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A	Correction Factor:	-0.2			
Sample Custody Seals:	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A	Temperature Reading:	5.8			
Total Containers:		Corrected Temperature:	5.6			

Parameters		Pres. Code

[illegible]

Preservative Codes	
None: NO	DI Water: H <sub>2</sub> O
Cool: Cool	MeOH: Me
HCL: HC	HNO <sub>3</sub> : HN
H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
H <sub>3</sub> PO <sub>4</sub> : HP	
NaHSO <sub>4</sub> : NABIS	
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
Zn Acetate+NaOH: Zn	
NaOH+Ascorbic Acid: SASC	

[illegible]

Circle Method(s) and Metal(s) to be analyzed	200.7 / 6010	200.8 / 6020:
8RCRA 13PPM Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn	
TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U		Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xeno, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xeno will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xeno. A minimum charge of \$35.00 will be applied to each project and a charge of \$3 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>R. P. Cross</i>	<i>W. J. Ford</i>	9/23/21 12:34	2 <i>W. J. Ford</i>	9/23/21 13:25	
3			4		
5			6		



Environment Testing  
Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: \_\_\_\_\_

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Page 2 of 2

Project Manager:	Patricia Pons	Bill to: (if different)	
Company Name:	Talon LPE	Company Name:	7
Address:	408 W. Texas Ave.	Address:	
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	
Phone:	575.746.8768	Email:	

Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____

Project Name:	Cherokee Co	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	702958.003.01	Due Date:			
Project Location:	200 E. County	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Debrae Pons				
PO #:		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Well Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
SAMPLE RECEIPT		Samples Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	7M-002
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:			-0.2
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:			5.8
Total Containers:		Corrected Temperature:			5.6

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	ANALYSIS REQUEST	Preservative Codes	Sample Comments
B-2		9/23/21	11:30	12-13'		1	4P4	None: NO	DI Water: H <sub>2</sub> O
B-2			11:35	14-15'		1	5P4	Cool: Cool	MeOH: Me
B-2			11:40	16-17'		1		HCL: HC	HNO <sub>3</sub> : HN
B-2			11:45	18'		1		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
B-2			11:50	21-22'		1		H <sub>3</sub> PO <sub>4</sub> : HP	
B-2			11:55	23-24'		1		NaHSO <sub>4</sub> : NABIS	
B-2			12:05	26'		1		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
								Zn Acetate+NaOH: Zn	
								NaOH+Ascorbic Acid: SAPC	

Total 200.7 / 6010	200.8 / 6020:	8RCRA	13PPM	Texas 11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO <sub>2</sub>	Na	Sr	Ti	Sn	U	V	Zn	
Circle Method(s) and Metal(s) to be analyzed		TCLP / SPLP 6010: 8RCRA		Sb		As	Ba	Be	B	Cd	Cr	Co	Cu	Pb	Mn	Mo	Ni	Se	Ag	Ti	U	Hg: 1631 / 245.1 / 7470 / 7471											

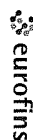
Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1. P. Pons	2. P. Pons	9/23/21 12:34	3. P. Pons	4. P. Pons	9/23/21 15:25
5.					



Eurofins Xenco, Carlsbad

1089 N Canal St.  
Carlsbad NM 88220  
Phone 575-988-3199 Fax 575-988-3199

## Chain of Custody Record



## Environment Testing America

<b>Client Information (Sub Contract Lab)</b>				<b>Sampler</b>	<b>Lab PM</b>	<b>Carter Tracking No(s)</b>	<b>COC NO</b>	
<b>Client Contact:</b>				<b>Name:</b>	Kramer Jessica		890-427-1	
<b>Shipping/Receiving</b>				<b>E-Mail:</b>	Jessica.Kramer@eurofins.com		Page 1 of 2	
<b>Company:</b> Eurofins Xenco				<b>Address:</b>	NELAP - Texas		Job # 890-1303-1	
				<b>City:</b> Midland	TAT Requested (day/s):		<b>Packaging Codes</b>	
				<b>State zip:</b> TX, 79701			A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2OAS E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic T TSP Dodecylhydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Z other (specify) <b>Other:</b>	
<b>Project Name:</b> Charcloals 6"				<b>Project #:</b> 890000040	<b>Field Filtered Sample (Yes or No)</b>		<b>Total Number of containers</b>	
<b>Site:</b>				<b>SSOW#:</b>	<b>Perform MS/MSD (Yes or No)</b>		<b>Special Instructions/Note.</b>	
<b>Sample Identification - Client ID (Lab ID)</b>				<b>Sample Date</b>	<b>Sample Time</b>	<b>Sample Type (C=Comp, G=grab) Preservation Code</b>	<b>Matrix (In-water Sealed, Overwater BTL/Tissue, Airtel)</b>	
B-1 (890-1303-1)		9/22/21	Mtaintain	10 20	X	X	X	1
B-1 (890-1303-2)		9/22/21	Mtaintain	10 27	X	X	X	1
B-1 (890-1303-3)		9/22/21	Mtaintain	10 40	X	X	X	1
B-1 (890-1303-4)		9/22/21	Mtaintain	10 42	X	X	X	1
B-1 (890-1303-5)		9/22/21	Mtaintain	10 55	X	X	X	1
B-1 (890-1303-6)		9/22/21	Mtaintain	11 00	X	X	X	1
B-1 (890-1303-7)		9/22/21	Mtaintain	11 20	X	X	X	1
B-1 (890-1303-8)		9/22/21	Mtaintain	11 30	X	X	X	1
B-2 (890-1303-9)		9/22/21	Mtaintain	13 15	X	X	X	1
<b>Note:</b> Since laboratory accreditation are subject to change Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Xenco LLC.								
<b>Possible Hazard Identification</b>								
<b>Unconfirmed Deliverable Requested I II, III, IV Other (specify)</b>				<b>Primary Deliverable Rank 2</b>				
<b>Empty Kit Relinquished by:</b>				Date	Time	<b>Method of Shipment:</b>		
Relinquished by _____				Date/Time	_____	Received by _____ Company _____		
Relinquished by _____				Date/Time	_____	Received by _____ Company _____		
Cooler Temperature(s) _____ Samples/other Remarks.								

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## Eurofins Xenco, Carlsbad

1089 N Canal St.  
Carlsbad NM 88220  
Phone: 575-988-3199 Fax 575-988-3199

## Chain of Custody Record



Environment Testing  
America

<b>Client Information (Sub Contract Lab)</b>		Sampler	Lab PM	Carrier Tracking No(s)	COC No.
Client Contact	Phone:	Kramer, Jessica			890-427 2
Shipping/Receiving	E-Mail	Jessica.kramer@eurofins.com	State of Origin		Page: 2 of 2
Company	Accreditations Required (See note):	NELAP - Texas	New Mexico		
Eurofins Xenco					Job #: 890-1303-1
Address	Due Date Requested	9/29/2021			
1211 W Florida Ave,					
City	TAT Requested (days)				
Midland					
State Zip:					
TX, 79701					
Phone:	PO #				
432-704-5440(Tel)					
Email:	WO #				
Project Name	Project #	89000040			
Charolais 6"	SSOM#				
Site:					
<b>Sample Identification - Client ID (Lab ID)</b>					
B-2 (890-1303-10)	Sample Date	9/22/21	Sample Time	13 25	Matrix (W=water, S=solid, O=waste/oli)
B-2 (890-1303-11)	9/22/21	13 30	Mountain	Solid	
B-2 (890-1303-12)	9/22/21	13 35	Mountain	Solid	
B-2 (890-1303-13)	9/22/21	13 40	Mountain	Solid	
B-2 (890-1303-14)	9/22/21	13 45	Mountain	Solid	
B-2 (890-1303-15)	9/22/21	13 50	Mountain	Solid	
B-2 (890-1303-16)	9/22/21	13 55	Mountain	Solid	
B-2 (890-1303-17)	9/22/21	14 05	Mountain	Solid	
<b>Field Filtered Sample (Yes or No)</b> <b>Perform MS/MSD (Yes or No)</b> 8021B/5035FP_Calc (MOD) BTEX 8015MOD_NM/8015NM_S_Prep (MOD) Full TPH 300_ORGFM_28D/DI_LEACH Chloride					
<b>Analysis Requested</b>					
<b>Special Instructions/Note:</b>					
<b>Total Number of containers</b>					
<b>Preservation Codes</b> A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2CO3 Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecalhydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)					
<b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b> <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
<b>Possible Hazard Identification</b> Unconfirmed Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2					
<b>Empty Kit Relinquished by:</b>					
Relinquished by	Date/Time	Company	Time	Method of Shipment	
Relinquished by	Date/Time	Company			
Relinquished by	Date/Time	Company			
Relinquished by	Date/Time	Company			
Custody Seals Intact	Custody Seal No	Cooler Temperature(s) °C and Other Remarks			
Δ Yes Δ No		9/28/21 11:40 PM			

## Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1303-1

SDG Number: Lea County

Login Number: 1303

List Source: Eurofins Xenco, Carlsbad

List Number: 1

Creator: Clifton, Cloe

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

## Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1303-1

SDG Number: Lea County

Login Number: 1303

List Source: Eurofins Xenco, Midland

List Number: 2

List Creation: 09/24/21 01:51 PM

Creator: Copeland, Tatiana

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.0 / 2.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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October 06, 2021

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: CHAROLAIS 6" PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 10/01/21 12:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: SW - BOTTOM 25' (H212731-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTEX	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/04/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2021	ND	228	114	200	1.16	
DRO >C10-C28*	19.1	10.0	10/02/2021	ND	224	112	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	10/02/2021	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.3 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NE - BOTTOM 25' (H212731-02)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTX	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/04/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2021	ND	228	114	200	1.16	
DRO >C10-C28*	<10.0	10.0	10/02/2021	ND	224	112	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	10/02/2021	ND					

Surrogate: 1-Chlorooctane 80.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.1 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NSW 1 - LR - 4' (H212731-03)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTEx	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	10/04/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2021	ND	228	114	200	1.16	
DRO >C10-C28*	<10.0	10.0	10/02/2021	ND	224	112	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	10/02/2021	ND					

Surrogate: 1-Chlorooctane 86.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NSW 2 - LR - 4' (H212731-04)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTEx	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	10/04/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2021	ND	228	114	200	1.16	
DRO >C10-C28*	<10.0	10.0	10/02/2021	ND	224	112	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	10/02/2021	ND					

Surrogate: 1-Chlorooctane 87.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NSW 3 - LR - 4' (H212731-05)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90		
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54		
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31		
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19		
Total BTEx	<0.300	0.300	10/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	10/04/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2021	ND	228	114	200	1.16	
DRO >C10-C28*	<10.0	10.0	10/02/2021	ND	224	112	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	10/02/2021	ND					

Surrogate: 1-Chlorooctane 90.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 90.6 % 38.9-142

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: SE - BOTTOM 25' (H212731-06)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTX	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	10/04/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2021	ND	228	114	200	1.16	
DRO >C10-C28*	21.2	10.0	10/02/2021	ND	224	112	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	10/02/2021	ND					

Surrogate: 1-Chlorooctane 87.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.9 % 38.9-142

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NW - BOTTOM 25' (H212731-07)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTX	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	10/04/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2021	ND	228	114	200	1.16	
DRO >C10-C28*	<10.0	10.0	10/02/2021	ND	224	112	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	10/02/2021	ND					

Surrogate: 1-Chlorooctane 88.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.9 % 38.9-142

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: BOTTOM CENTER 25' (H212731-08)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTEx	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/04/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2021	ND	228	114	200	1.16	
DRO >C10-C28*	25.2	10.0	10/02/2021	ND	224	112	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	10/02/2021	ND					

Surrogate: 1-Chlorooctane 85.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.0 % 38.9-142

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NSW 4 - LR - 4' (H212731-09)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTEx	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	10/04/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2021	ND	232	116	200	2.29	
DRO >C10-C28*	<10.0	10.0	10/04/2021	ND	228	114	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/04/2021	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.7 % 38.9-142

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: ESW 1 - LR - 4' (H212731-10)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90		
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54		
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31		
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19		
Total BTX	<0.300	0.300	10/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	10/04/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2021	ND	232	116	200	2.29	
DRO >C10-C28*	<10.0	10.0	10/04/2021	ND	228	114	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/04/2021	ND					

Surrogate: 1-Chlorooctane 80.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.5 % 38.9-142

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NESW 1 - 4' (H212731-11)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90		
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54		
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31		
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19		
Total BTEx	<0.300	0.300	10/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/04/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2021	ND	232	116	200	2.29	
DRO >C10-C28*	<10.0	10.0	10/04/2021	ND	228	114	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/04/2021	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.0 % 38.9-142

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NESW 2 - 4' (H212731-12)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90		
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54		
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31		
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19		
Total BTX	<0.300	0.300	10/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	10/04/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2021	ND	232	116	200	2.29	
DRO >C10-C28*	18.5	10.0	10/04/2021	ND	228	114	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/04/2021	ND					

Surrogate: 1-Chlorooctane 90.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.5 % 38.9-142

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NESW 4 - 4' (H212731-13)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90		
Toluene*	0.125	0.050	10/04/2021	ND	2.00	100	2.00	4.54		
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31		
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19		
Total BTEx	<0.300	0.300	10/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/04/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2021	ND	232	116	200	2.29	
DRO >C10-C28*	<10.0	10.0	10/04/2021	ND	228	114	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/04/2021	ND					

Surrogate: 1-Chlorooctane 89.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.5 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NESW 3 - 4' (H212731-14)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTEx	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	10/04/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2021	ND	232	116	200	2.29	
DRO >C10-C28*	<10.0	10.0	10/04/2021	ND	228	114	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/04/2021	ND					

Surrogate: 1-Chlorooctane 75.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NE 1 BOTTOM 4' (H212731-15)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90		
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54		
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31		
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19		
Total BTEx	<0.300	0.300	10/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/04/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2021	ND	232	116	200	2.29	
DRO >C10-C28*	<10.0	10.0	10/04/2021	ND	228	114	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/04/2021	ND					

Surrogate: 1-Chlorooctane 87.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NE 2 BOTTOM 4' (H212731-16)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90		
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54		
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31		
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19		
Total BTEx	<0.300	0.300	10/04/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/04/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2021	ND	232	116	200	2.29	
DRO >C10-C28*	<10.0	10.0	10/04/2021	ND	228	114	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/04/2021	ND					

Surrogate: 1-Chlorooctane 80.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(505) 393-2326 Fax (505) 393-2476

Page 7 of 7[illegible]





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
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Page 2 of 2

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October 14, 2021

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: CHAROLAIS 6" PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 10/13/21 12:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: S 5 A 6' (H212858-01)**

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67		
Toluene*	<0.050	0.050	10/13/2021	ND	2.07	103	2.00	4.48		
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	2.04	102	2.00	4.95		
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09		
Total BTEX	<0.300	0.300	10/13/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	10/13/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	205	103	200	4.95	
DRO >C10-C28*	<10.0	10.0	10/14/2021	ND	207	103	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 115 % 44.3-133

Surrogate: 1-Chlorooctadecane 119 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: SSW - 5 A 7' (H212858-02)**

BTEx 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67		
Toluene*	<0.050	0.050	10/13/2021	ND	2.07	103	2.00	4.48		
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	2.04	102	2.00	4.95		
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09		
Total BTEx	<0.300	0.300	10/13/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/13/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	205	103	200	4.95	
DRO >C10-C28*	<10.0	10.0	10/14/2021	ND	207	103	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 117 % 44.3-133

Surrogate: 1-Chlorooctadecane 120 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NEB 1 25' (H212858-03)**

BTEx 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67		
Toluene*	<0.050	0.050	10/13/2021	ND	2.07	103	2.00	4.48		
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	2.04	102	2.00	4.95		
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09		
Total BTEx	<0.300	0.300	10/13/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/13/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	205	103	200	4.95	
DRO >C10-C28*	<10.0	10.0	10/14/2021	ND	207	103	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 115 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NEB 2 25' (H212858-04)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67	
Toluene*	0.144	0.050	10/13/2021	ND	2.07	103	2.00	4.48	
Ethylbenzene*	0.160	0.050	10/13/2021	ND	2.04	102	2.00	4.95	
Total Xylenes*	0.187	0.150	10/13/2021	ND	6.17	103	6.00	5.09	
Total BTX	0.491	0.300	10/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	10/13/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	205	103	200	4.95	
DRO >C10-C28*	232	10.0	10/14/2021	ND	207	103	200	4.87	
EXT DRO >C28-C36	51.6	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.6 % 38.9-142

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NEB 3 25' (H212858-05)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67	
Toluene*	0.069	0.050	10/13/2021	ND	2.07	103	2.00	4.48	
Ethylbenzene*	0.153	0.050	10/13/2021	ND	2.04	102	2.00	4.95	
Total Xylenes*	0.241	0.150	10/13/2021	ND	6.17	103	6.00	5.09	
Total BTX	0.463	0.300	10/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/13/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.7	10.0	10/14/2021	ND	205	103	200	4.95	
DRO >C10-C28*	783	10.0	10/14/2021	ND	207	103	200	4.87	
EXT DRO >C28-C36	146	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 130 % 38.9-142

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NEB 4 25' (H212858-06)**

BTEx 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67		
Toluene*	<0.050	0.050	10/13/2021	ND	2.07	103	2.00	4.48		
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	2.04	102	2.00	4.95		
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09		
Total BTEx	<0.300	0.300	10/13/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/13/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	205	103	200	4.95	
DRO >C10-C28*	30.0	10.0	10/14/2021	ND	207	103	200	4.87	
EXT DRO >C28-C36	17.4	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-133

Surrogate: 1-Chlorooctadecane 114 % 38.9-142

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NEB 5 25' (H212858-07)**

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67	
Toluene*	0.055	0.050	10/13/2021	ND	2.07	103	2.00	4.48	
Ethylbenzene*	0.063	0.050	10/13/2021	ND	2.04	102	2.00	4.95	
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09	
Total BTEx	<0.300	0.300	10/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/13/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	205	103	200	4.95	
DRO >C10-C28*	380	10.0	10/14/2021	ND	207	103	200	4.87	
EXT DRO >C28-C36	85.9	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 94.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NEB 6 25' (H212858-08)**

BTEx 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67		
Toluene*	<0.050	0.050	10/13/2021	ND	2.07	103	2.00	4.48		
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	2.04	102	2.00	4.95		
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09		
Total BTEx	<0.300	0.300	10/13/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	10/13/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	207	104	200	5.94	
DRO >C10-C28*	<10.0	10.0	10/14/2021	ND	215	108	200	3.89	
EXT DRO >C28-C36	<10.0	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 92.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.4 % 38.9-142

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**Analytical Results For:**

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 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NEB 7 25' (H212858-09)**

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67	
Toluene*	0.093	0.050	10/13/2021	ND	2.07	103	2.00	4.48	
Ethylbenzene*	0.093	0.050	10/13/2021	ND	2.04	102	2.00	4.95	
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09	
Total BTEx	<0.300	0.300	10/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	10/13/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	207	104	200	5.94	
DRO >C10-C28*	236	10.0	10/14/2021	ND	215	108	200	3.89	
EXT DRO >C28-C36	35.6	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 120 % 44.3-133

Surrogate: 1-Chlorooctadecane 134 % 38.9-142

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NEB 8 25' (H212858-10)**

BTEx 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67		
Toluene*	<0.050	0.050	10/13/2021	ND	2.07	103	2.00	4.48		
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	2.04	102	2.00	4.95		
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09		
Total BTEx	<0.300	0.300	10/13/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/13/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	207	104	200	5.94	
DRO >C10-C28*	361	10.0	10/14/2021	ND	215	108	200	3.89	
EXT DRO >C28-C36	29.2	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 125 % 44.3-133

Surrogate: 1-Chlorooctadecane 138 % 38.9-142

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NWB 1 25' (H212858-11)**

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67	
Toluene*	<0.050	0.050	10/13/2021	ND	2.07	103	2.00	4.48	
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	2.04	102	2.00	4.95	
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09	
Total BTX	<0.300	0.300	10/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/13/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	207	104	200	5.94	
DRO >C10-C28*	<10.0	10.0	10/14/2021	ND	215	108	200	3.89	
EXT DRO >C28-C36	<10.0	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 129 % 44.3-133

Surrogate: 1-Chlorooctadecane 137 % 38.9-142

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NWB 2 25' (H212858-12)**

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67	
Toluene*	<0.050	0.050	10/13/2021	ND	2.07	103	2.00	4.48	
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	2.04	102	2.00	4.95	
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09	
Total BTEx	<0.300	0.300	10/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/13/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	207	104	200	5.94	
DRO >C10-C28*	82.0	10.0	10/14/2021	ND	215	108	200	3.89	
EXT DRO >C28-C36	<10.0	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 123 % 44.3-133

Surrogate: 1-Chlorooctadecane 132 % 38.9-142

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NWB 3 25' (H212858-13)**

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67	
Toluene*	<0.050	0.050	10/13/2021	ND	2.07	103	2.00	4.48	
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	2.04	102	2.00	4.95	
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09	
Total BTEx	<0.300	0.300	10/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/13/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	207	104	200	5.94	
DRO >C10-C28*	12.1	10.0	10/14/2021	ND	215	108	200	3.89	
EXT DRO >C28-C36	<10.0	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 117 % 44.3-133

Surrogate: 1-Chlorooctadecane 120 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NWB 4 25' (H212858-14)**

BTEx 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67		
Toluene*	<0.050	0.050	10/13/2021	ND	2.07	103	2.00	4.48		
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	2.04	102	2.00	4.95		
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09		
Total BTEx	<0.300	0.300	10/13/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/13/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	207	104	200	5.94	
DRO >C10-C28*	98.9	10.0	10/14/2021	ND	215	108	200	3.89	
EXT DRO >C28-C36	10.6	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: BC 1 25' (H212858-15)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/13/2021	ND	1.92	95.8	2.00	3.85		
Toluene*	<0.050	0.050	10/13/2021	ND	1.82	91.2	2.00	0.00		
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	1.91	95.5	2.00	5.34		
Total Xylenes*	<0.150	0.150	10/13/2021	ND	5.68	94.7	6.00	4.66		
Total BTEx	<0.300	0.300	10/13/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/13/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	196	98.0	200	1.83	
DRO >C10-C28*	20.6	10.0	10/14/2021	ND	231	115	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 92.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 90.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: BC 2 25' (H212858-16)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/13/2021	ND	1.92	95.8	2.00	3.85		
Toluene*	<0.050	0.050	10/13/2021	ND	1.82	91.2	2.00	0.00		
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	1.91	95.5	2.00	5.34		
Total Xylenes*	<0.150	0.150	10/13/2021	ND	5.68	94.7	6.00	4.66		
Total BTEx	<0.300	0.300	10/13/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	10/13/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	196	98.0	200	1.83	
DRO >C10-C28*	30.2	10.0	10/14/2021	ND	231	115	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 105 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: BC 3 25' (H212858-17)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/13/2021	ND	1.92	95.8	2.00	3.85		
Toluene*	<0.050	0.050	10/13/2021	ND	1.82	91.2	2.00	0.00		
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	1.91	95.5	2.00	5.34		
Total Xylenes*	<0.150	0.150	10/13/2021	ND	5.68	94.7	6.00	4.66		
Total BTEx	<0.300	0.300	10/13/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/13/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	196	98.0	200	1.83	
DRO >C10-C28*	228	10.0	10/14/2021	ND	231	115	200	2.92	
EXT DRO >C28-C36	38.7	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Cardinal Laboratories

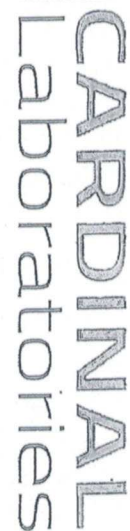
\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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Celey D. Keene, Lab Director/Quality Manager

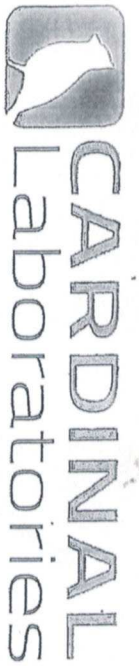


# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Pg 102





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Pg 2 of 2

101 East Maryland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name:

Project Manager:

Address:

City:

Phone #:

Project #:

Project Name:

Project Location:

Sampler Name:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H219858

11 NWB1

12 NWB2

13 NWB3

14 NWB4

15 BCE1

16 BCE2

17 BCE3

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

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November 09, 2021

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: CHAROLAIS 6" PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 11/08/21 11:13.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	11/08/2021	Sampling Date:	11/06/2021
Reported:	11/09/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	702958.003.01	Sample Received By:	Yvonne Muniz
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: NEB 2 26.5' (H213155-01)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2021	ND	1.98	99.0	2.00	6.47		
Toluene*	<0.050	0.050	11/08/2021	ND	1.91	95.5	2.00	6.82		
Ethylbenzene*	<0.050	0.050	11/08/2021	ND	1.88	93.8	2.00	7.65		
Total Xylenes*	<0.150	0.150	11/08/2021	ND	5.68	94.6	6.00	8.20		
Total BTX	<0.300	0.300	11/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	11/08/2021	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2021	ND	216	108	200	6.47	
DRO >C10-C28*	<10.0	10.0	11/08/2021	ND	214	107	200	7.53	
EXT DRO >C28-C36	<10.0	10.0	11/08/2021	ND					

Surrogate: 1-Chlorooctane 66.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 65.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	11/08/2021	Sampling Date:	11/06/2021
Reported:	11/09/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	702958.003.01	Sample Received By:	Yvonne Muniz
Project Location:	3 BEAR - LEA CO NM		

**Sample ID: BC 3 26.5' (H213155-02)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2021	ND	1.98	99.0	2.00	6.47		
Toluene*	<0.050	0.050	11/08/2021	ND	1.91	95.5	2.00	6.82		
Ethylbenzene*	<0.050	0.050	11/08/2021	ND	1.88	93.8	2.00	7.65		
Total Xylenes*	<0.150	0.150	11/08/2021	ND	5.68	94.6	6.00	8.20		
Total BTEx	<0.300	0.300	11/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/08/2021	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2021	ND	216	108	200	6.47	
DRO >C10-C28*	<10.0	10.0	11/08/2021	ND	214	107	200	7.53	
EXT DRO >C28-C36	<10.0	10.0	11/08/2021	ND					

Surrogate: 1-Chlorooctane 88.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.8 % 38.9-142

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\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



## ANALYSIS REQUEST

Page 5 of 5

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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**District II**  
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Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 70308

CONDITIONS

Operator: 3BEAR FIELD SERVICES, LLC 1512 Larimer St, Suite 540 Denver, CO 80202	OGRID: 372603
	Action Number: 70308
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	1/25/2022